FORM 3												
					DEPARTMENT (ATE OF UTAH OF NATURAL RESOI			AMENDE	D REPORT		
					DIVISION OF	OIL, GAS AND MIN	NING					
			APPLICAT	ION FOR	PERMIT TO DRILL			1. WELL NAME and NUMBER 8H-9-46 BTR				
2. TYPE (OF WORK	DRILL NEW WE	:11 (M) P	EENTER P&A	A WELL DEEPEN W	/FII (C)		3. FIELD OR WILDCAT ALTAMONT				
4. TYPE (OF WELL	5. UNIT or COMMUNIT			NT NAM	E						
6. NAME	OF OPERATO	R	Oil Well		d Methane Well: NO			7. OPERATOR PHONE				
8. ADDRI	ESS OF OPERA	TOR		BILL BARRE	TT CORP			9. OPERATOR E-MAIL	303 312-	8164		
10 MINE	RAL LEASE NU		1099 18th Str	eet Ste 230	0, Denver, CO, 80202 11. MINERAL OWNERSH	IP		BHilge 12. SURFACE OWNERS	ers@billbar	rettcorp.co	om	
	L, INDIAN, OR					 AN 📵 STATE 🦳) FEE	-	DIAN 🔲	STATE () FE	E 📵
13. NAM	E OF SURFAC	E OWNER (if box	12 = 'fee')					14. SURFACE OWNER	PHONE (i	f box 12 =	'fee')	
15. ADDI	RESS OF SURF	FACE OWNER (if I	box 12 = 'fee')				16. SURFACE OWNER	R E-MAIL (i	f box 12 =	: 'fee')	
		OR TRIBE NAME			18. INTEND TO COMMIN		FROM	19. SLANT				
(if box 1	2 = 'INDIAN')	Uintah and Ouray			CT0	mmingling Application	n) NO 📵	VERTICAL DIR	RECTIONAL	🔵 но	RIZONT	AL 📵
20. LOC	ATION OF WE	LL		FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RAN	IGE	ME	RIDIAN
LOCATI	ON AT SURFA	CE		1679 FN	IL 511 FWL	SWNW	9	4.0 S	6.0	W		U
Top of	Uppermost Pr	oducing Zone		1723 FN	L 1077 FWL	SWNW	9	4.0 S	6.0	W		U
At Tota	l Depth			1980 FI	NL 810 FEL	SENE	9	4.0 S	6.0	W		U
21. COU	NTY	DUCHESNE			22. DISTANCE TO NEAR	EST LEASE LINE (Fee	et)	23. NUMBER OF ACRES IN DRILLING UNIT 640				
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)							26. PROPOSED DEPTH MD: 9348 TVD: 5669				
2129 27. ELEVATION - GROUND LEVEL 28. BOND NUMBER												
27. ELEV	ATION - GROU	JND LEVEL			28. BOND NUMBER	2123		29. SOURCE OF DRILL			PI ICABI	F
27. ELEV	ATION - GROU	JND LEVEL 5980				LPM8874725		29. SOURCE OF DRILL WATER RIGHTS APPRO		BER IF AP	PLICABL	E
		5980	Land	Mainh	Hole, Casing,	LPM8874725 and Cement Infor	mation	WATER RIGHTS APPRO	OVAL NUM	BER IF AP		
String	Hole Size	5980 Casing Size	Length	Weight	Hole, Casing, a	LPM8874725 and Cement Infor Max Mud Wt.	mation	Cement	OVAL NUM	Sacks	Yield	Weight
		5980	Length 0 - 80 0 - 1200	Weight 65.0 36.0	Hole, Casing,	LPM8874725 and Cement Infor		WATER RIGHTS APPRO	OVAL NUM 43-18	BER IF AP		
String Cond	Hole Size	5980 Casing Size 16	0 - 80	65.0	Hole, Casing, a	LPM8874725 and Cement Infor Max Mud Wt. 8.8	Halliburto	Cement Unknown	OVAL NUM 43-18 OWN	Sacks	Yield 0.0	Weight 0.0
String Cond	Hole Size	5980 Casing Size 16	0 - 80	65.0	Hole, Casing, a	LPM8874725 and Cement Infor Max Mud Wt. 8.8	Halliburto	Cement Unknown	OVAL NUM 43-18 OWN	Sacks 0 190	Yield 0.0 3.16	Weight 0.0 11.0
String Cond Surf	Hole Size 26 12.25 8.75	5980 Casing Size 16 9.625 7	0 - 80 0 - 1200 0 - 5960	65.0 36.0 23.0	Hole, Casing, a Grade & Thread Unknown J-55 ST&C P-110 LT&C	LPM8874725 and Cement Infor Max Mud Wt. 8.8 8.8 9.4	Halliburto	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown	OVAL NUM 43-18 OWN	Sacks 0 190 210 300	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf	Hole Size 26 12.25	5980 Casing Size 16 9.625	0 - 80 0 - 1200	65.0 36.0 23.0	Hole, Casing, Grade & Thread Unknown J-55 ST&C	LPM8874725 and Cement Infor Max Mud Wt. 8.8 8.8	Halliburto	Cement Unknown In Light , Type Unkn	OVAL NUM 43-18 OWN	Sacks 0 190 210 300	7ield 0.0 3.16 1.36 2.31	Weight 0.0 11.0 14.8 11.0
String Cond Surf	Hole Size 26 12.25 8.75	5980 Casing Size 16 9.625 7	0 - 80 0 - 1200 0 - 5960	65.0 36.0 23.0	Hole, Casing, a Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C	LPM8874725 and Cement Infor Max Mud Wt. 8.8 8.8 9.4	Halliburto	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown	OVAL NUM 43-18 OWN	Sacks 0 190 210 300	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf	Hole Size 26 12.25 8.75 6.125	5980 Casing Size 16 9.625 7 4.5	0 - 80 0 - 1200 0 - 5960 0 - 9348	65.0 36.0 23.0	Hole, Casing, a Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C	LPM8874725 and Cement Information Max Mud Wt. 8.8 8.8 9.4 9.5 TACHMENTS	Halliburton Halliburton	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used	OVAL NUM 43-18	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod	Hole Size 26 12.25 8.75 6.125	5980 Casing Size 16 9.625 7 4.5	0 - 80 0 - 1200 0 - 5960 0 - 9348	65.0 36.0 23.0 11.6	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT	And Cement Information Max Mud Wt. 8.8 8.8 9.4 9.5 TACHMENTS	Halliburton Halliburton	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used	OVAL NUM 43-18	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod L1	Hole Size 26 12.25 8.75 6.125	5980 Casing Size 16 9.625 7 4.5 ERIFY THE FOL	0 - 80 0 - 1200 0 - 5960 0 - 9348	23.0 23.0 11.6 SURVEYOR	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT	LPM8874725 and Cement Infor Max Mud Wt. 8.8 8.8 9.4 9.5 TACHMENTS EE WITH THE UTAH	Halliburton Halliburton H OIL AND GAS	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used	OWN OWN KNOWN	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod L1	Hole Size 26 12.25 8.75 6.125 VE	Casing Size 16 9.625 7 4.5 ERIFY THE FOL	0 - 80 0 - 1200 0 - 5960 0 - 9348 LOWING AI	23.0 23.0 11.6 SURVEYOR	Hole, Casing, a Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT	AND COMPILE TO THE UTAL STATE OF THE UTAL STATE	Halliburton Halliburton H OIL AND GAS	Cement Unknown In Light , Type Unkn Premium , Type Unkn Unknown Unknown No Used	OWN OWN KNOWN	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod L1	Hole Size 26 12.25 8.75 6.125 VE	5980 Casing Size 16 9.625 7 4.5 ERIFY THE FOL	0 - 80 0 - 1200 0 - 5960 0 - 9348 LOWING AI	65.0 36.0 23.0 11.6 RE ATTAC SURVEYOR LLY OR HO	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT THED IN ACCORDANC R OR ENGINEER	AND COMPILE TO THE UTAL STATE OF THE UTAL STATE	Halliburton Halliburton H OIL AND GAS LETE DRILLING P	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used CONSERVATION GI LAN S OTHER THAN THE LE	OWN OWN KNOWN	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod L1	Hole Size 26 12.25 8.75 6.125 VE VELL PLAT OR FFIDAVIT OF S IRECTIONAL S	5980 Casing Size 16 9.625 7 4.5 ERIFY THE FOL	0 - 80 0 - 1200 0 - 5960 0 - 9348 LOWING AI	65.0 36.0 23.0 11.6 RE ATTAC SURVEYOR GREEMEN LLY OR HO	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT THED IN ACCORDANC R OR ENGINEER I (IF FEE SURFACE) RIZONTALLY DRILLED)	AND COMPILE TO THE UTAL STATE OF THE UTAL STATE	Halliburton Halliburton HOIL AND GAS LETE DRILLING P 5. IF OPERATOR I GRAPHICAL MAP PHONE 303	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used CONSERVATION GI LAN S OTHER THAN THE LE	OWN OWN CHOWN	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5
String Cond Surf Prod L1 I A NAME V SIGNAT	Hole Size 26 12.25 8.75 6.125 VE VELL PLAT OR FFIDAVIT OF S IRECTIONAL S	Casing Size 16 9.625 7 4.5 ERIFY THE FOL MAP PREPARED I TATUS OF SURFA SURVEY PLAN (IF	0 - 80 0 - 1200 0 - 5960 0 - 9348 LOWING AI	65.0 36.0 23.0 11.6 RE ATTAC SURVEYOR GREEMEN LLY OR HO TITL DAT	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C P-110 LT&C AT HED IN ACCORDANC R OR ENGINEER I (IF FEE SURFACE) RIZONTALLY DRILLED) E Senior Permit Analyst	AND COMPILE TO THE UTAL STATE OF THE UTAL STATE	Halliburton Halliburton HOIL AND GAS LETE DRILLING P 5. IF OPERATOR I GRAPHICAL MAP PHONE 303	Cement Unknown In Light , Type Unkn Premium , Type Unk Unknown Unknown No Used CONSERVATION GI LAN SOTHER THAN THE LE	OWN OWN CHOWN	Sacks 0 190 210 300 370 0	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0 13.5

DRILLING PLAN

BILL BARRETT CORPORATION 8H-9-46 BTR

SHL: SW NW, 1679' FNL and 511' FWL, Section 9-T4S-R6W BHL: SE NE, 1980' FNL and 810' FEL, Section 9-T4S-R6W Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a horizontal through the prospective zone within the Uteland Butte.

1 - 3. <u>Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals</u>

<u>Formation</u>	Depth – MD	Depth - TVD
Green River	1,389'	1,389'
Mahogany	1,994'	1,994'
TGR3	3,324'	3,324'
Douglas Creek	4,159'	4,159'
3 PT Marker	4,569'	4,569'
Black Shale Facies	4,999'	4,999'
Castle Peak	5,221'	5,219'
Uteland Butte	5,597'	5,524'
CR 1	5,766'	5,604'
CR 1A Base	7,239'	5,650'
TD	9,348'	5,669'

*PROSPECTIVE PAY

The Uteland Butte CR1 is the primary objective for oil/gas.

Base of Useable Water = 1,889'

4. <u>Casing Program</u>

Hole	SETTING DEPTH		SETTING DEPTH		G DEPTH Casing Casing		Casing		
<u>Size</u>	(FROM) (TO)		ΓΟ) Size Weight		<u>Grade</u>	<u>Thread</u>	Condition		
12-1/4"	surface	1,200'	9 5/8"	36.0 ppf	J or K 55	ST&C	New		
8 3/4"	surface	5,960'	7"	23.0 ppf	P-110	LT&C	New		
6 1/8"	surface	9,348'	4 1/2	11.6	P-110	LT&C	New		
			Liner with						
			4-1/2"						
			Tieback						
			for frac						

RECEIVED: December 21, 2011

Drilling Plan 8H-9-46 BTR Duchesne Co., UT

5. <u>Cementing Program</u>

9 5/8" Surface Casing	Cement with approximately 190 sx Halliburton Light				
	Premium cement with additives mixed at 11.0 ppg (yield =				
	3.16 ft ³ /sx), and tail with 210 sx Premium 14.8 ppg (yield				
	= $1.36 \text{ ft}^3/\text{sx}$) calculated hole volume with 75% excess. <i>Top</i>				
	out cement, if required: 100 sx of Premium cement with				
	additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)				
7" Intermediate Casing	Lead with approximately 300 sx Tune Light cement with				
	additives, mixed at 11.0 ppg (yield = $3.14 \text{ ft}^3/\text{sx}$).				
	Tail with approximately 370 sx Halliburton Econocem				
	cement with additives mixed at 13.5 ppg (yield = 1.42				
	ft^3/sx).				
4 ½" Liner with 4-1/2" Tieback to	No cement will be used in this section. Swell packers will				
surface	be run to isolate the production hole from the intermediate				
	casing section.				
Note: Top of Tail coment for the in	termediate string will be calculated to 1000' above the KOP				

Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to 200' inside of surface casing.

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	<u>Remarks</u>
40' – 1,200'	8.4 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid
				System
1,200' - 3,000'	8.9 - 9.2	26 - 36	NC	Fresh Water with sweeps
3,000' - 5,960'	9.2 - 9.4	42 - 55	6 – 10	Fresh Water PHPA
5,960' – TD	9.0 - 9.5	45 – 58	4 – 10	Fresh Water PHPA

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment						
0 – 1,200'	No pressure control required						
1,200' – TD	11" 5000# Ram Type BOP						
	11" 5000# Annular BOP						
- Drilling spool to a	accommodate choke and kill lines;						
- Ancillary and cho	ke manifold to be rated @ 5000 psi;						
- Ancillary equipme	- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in						
accordance with th	he requirements of onshore Order No. 2;						

- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.

Drilling Plan 8H-9-46 BTR Duchesne Co., UT

8. <u>Auxiliary Equipment</u>

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. <u>Testing, Logging and Core Programs</u>

Cores	None anticipated;					
Testing None anticipated; drill stem tests may be run on shows of interest;						
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;					
Surveys	MWD with GR as needed to land wellbore;					
WL Logging	None in intermediate					
Note: FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's						
discretion.						

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 2800 psi* and maximum anticipated surface pressure equals approximately 1553 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. <u>Drilling Schedule</u>

Location Construction: January 2013
Spud: January 2013
Duration: 25 days drilling time
25 days completion time

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^{**}Maximum surface pressure = A - (0.22 x TD)

BTR/LC HZ Well Well name: Operator: BBC

String type: Surface

Utah Location:

Design parameters: Minimum design factors: Environment: Collapse Collapse:

Mud weight: 8.900 ppg

Design is based on evacuated pipe.

H2S considered? No 75 °F Design factor 1.125 Surface temperature: 96 °F Bottom hole temperature: Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,000 ft Burst: Minimum Drift: 8.750 in Design factor 1.00 Surface Cement top:

Burst

Max anticipated surface

pressure: 527 psi Internal gradient: 0.220 psi/ft Calculated BHP 857 psi

Annular backup: 9.50 ppg Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) Buttress: 1.60 (J) Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 1,302 ft Re subsequent strings:

Non-directional string.

Next setting depth: 4,697 ft Next mud weight: 9.500 ppg Next setting BHP: 2,318 psi Fracture mud wt: 11.000 ppg

Fracture depth: Injection pressure

1,500 ft 857 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Capacity
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(ft³)
1	1500	9.625	36.00	K-55	ST&C	1500	1500	8.765	106.8
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	693	2020	2.913	527	3520	6.68	47	423	9.02 J

Bill Barrett

Date: June 23,2011 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name: BTR/LC HZ Well

Operator: BBC

String type: Intermediate

Location: Utah

Design parameters: Minimum design factors: Environment: Collapse Collapse: H2S considered? No Mud weight: 9.500 ppg Design factor 75 °F 1.125 Surface temperature: 161 °F Design is based on evacuated pipe. Bottom hole temperature: Temperature gradient: 1.40 °F/100ft Minimum section length: 1,500 ft Burst: Minimum Drift: 6.125 in Design factor 1.00 Cement top: 11 ft Burst Max anticipated surface pressure: 1,683 psi Internal gradient: 0.220 psi/ft Tension: Directional Info - Build & Hold Calculated BHP 3,036 psi 8 Round STC: 1.80 (J) Kick-off point 5580 ft 8 Round LTC: 1.80 (J) Departure at shoe: 604 ft Annular backup: 9.50 ppg Buttress: 1.60 (J) Maximum dogleg: 10 °/100ft Premium: 1.50 (J) Inclination at shoe: 93.1° Body yield: Re subsequent strings: 1.50 (B) Next setting depth: 5,980 ft Tension is based on buoyed weight. Next mud weight: 9.500 ppg Neutral point: 5,274 ft Next setting BHP: 2,951 psi 14.000 ppg Fracture mud wt:

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Capacity
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(ft³)
1	6511	7	23.00	N-80	LT&C	6152	6511	6.25	300.9
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	3036	3575	1.177	1683	6340	3.77	121	442	3.64 J

Bill Barrett

Date: June 23,2011 Denver, Colorado

Fracture depth:

Injection pressure

6,152 ft

4,474 psi

Remarks:

Collapse is based on a vertical depth of 6152 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:

N/A

Operator: String type:

Production Liner

BTR/LC HZ Well

Design parameters:

Collapse

Mud weight: 9.500 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 Environment:

H2S considered? No Surface temperature: 75 °F 155 °F Bottom hole temperature:

Directional Info - Build & Hold

Temperature gradient: 1.40 °F/100ft Minimum section length: 1,000 ft

Burst:

Design factor 1.00 Minimum Drift:

Liner top:

Kick-off point

Departure at shoe:

Maximum dogleg:

Inclination at shoe:

3.875 in

5,000 ft

5123 ft

4885 ft

91.26°

8 °/100ft

Burst

Max anticipated surface

pressure: 1,572 psi Internal gradient: 0.220 psi/ft Calculated BHP 2,837 psi

Annular backup: 9.50 ppg Tension:

8 Round STC: 8 Round LTC: Buttress:

Premium: Body yield: 1.60 (J) 1.50 (J)

1.60 (B)

1.80 (J)

1.80 (J)

Tension is based on buoyed weight.

Neutral point:

5,703 ft

Run	Segment	F472	Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	5418	4.5	11.60	P-110	LT&C	5748	10418	3.875	26104
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	2837	7580	2.672	205	10690	52.25	7.4	279	37.48 J

Bill Barrett

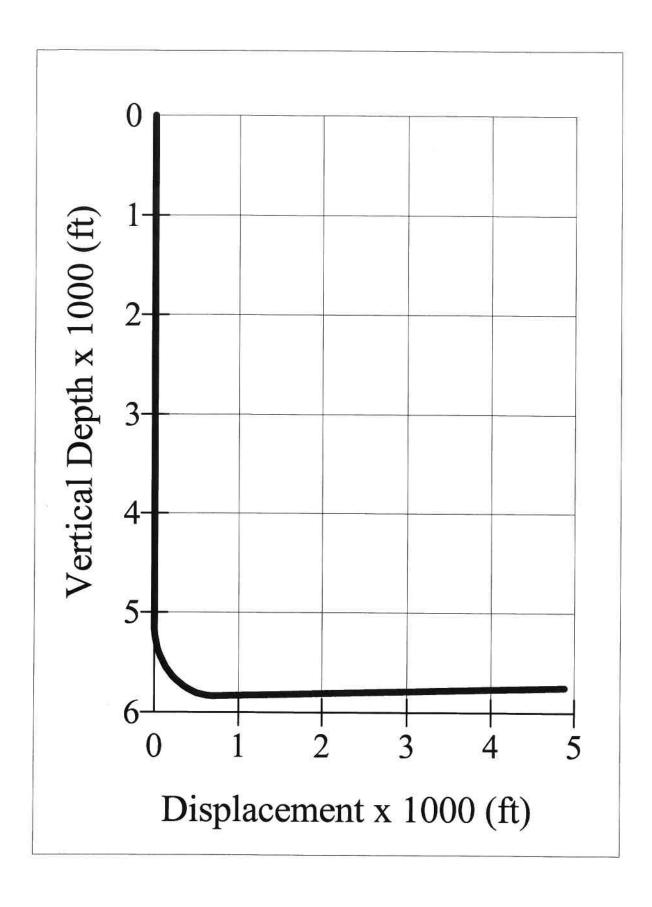
Date: June 23,2011 Denver, Colorado

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 5748 ft, a mud weight of 9.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a



PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

- 1. One (1) blind ram (above).
- 2. One (1) pipe ram (below).
- 3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
- 4. 3-inch diameter choke line.
- 5. Two (2) choke line valves (3-inch minimum).
- 6. Kill line (2-inch minimum).
- 7. Two (2) chokes with one (1) remotely controlled from the rig floor.
- 8. Two (2) kill line valves, and a check valve (2-inch minimum).
- 9. Upper and lower kelly cock valves with handles available.
- 10. Safety valve(s) & subs to fit all drill string connections in use.
- 11. Inside BOP or float sub available.
- 12. Pressure gauge on choke manifold.
- 13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirmentsof the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

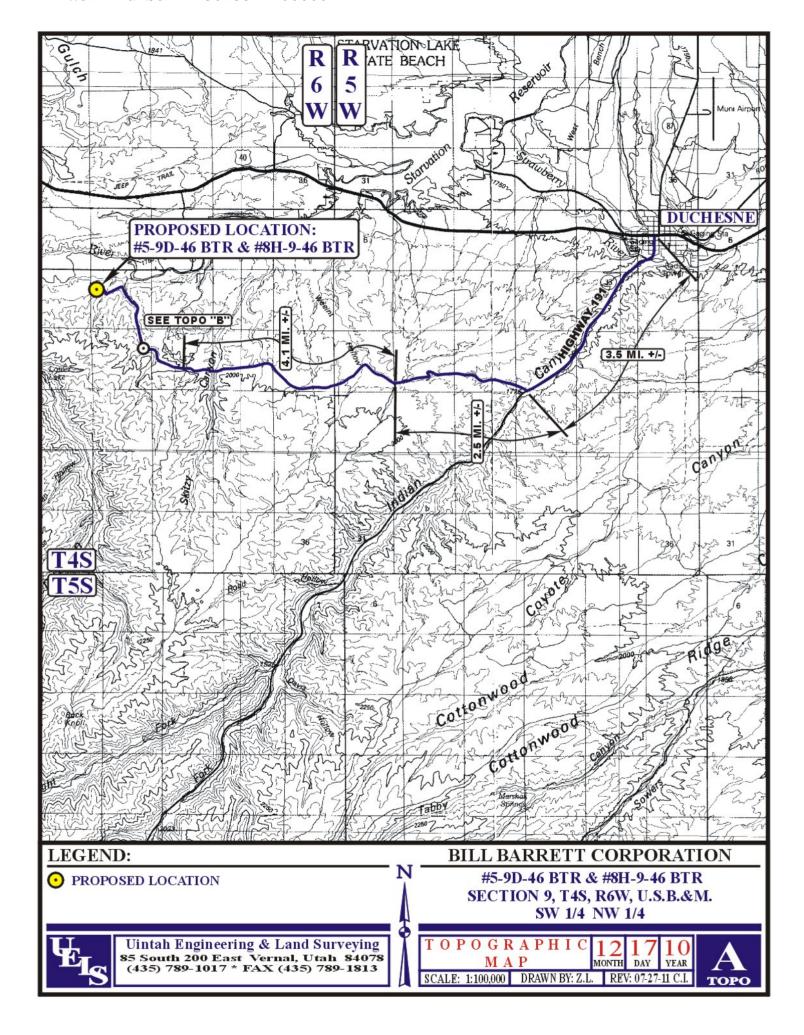
A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

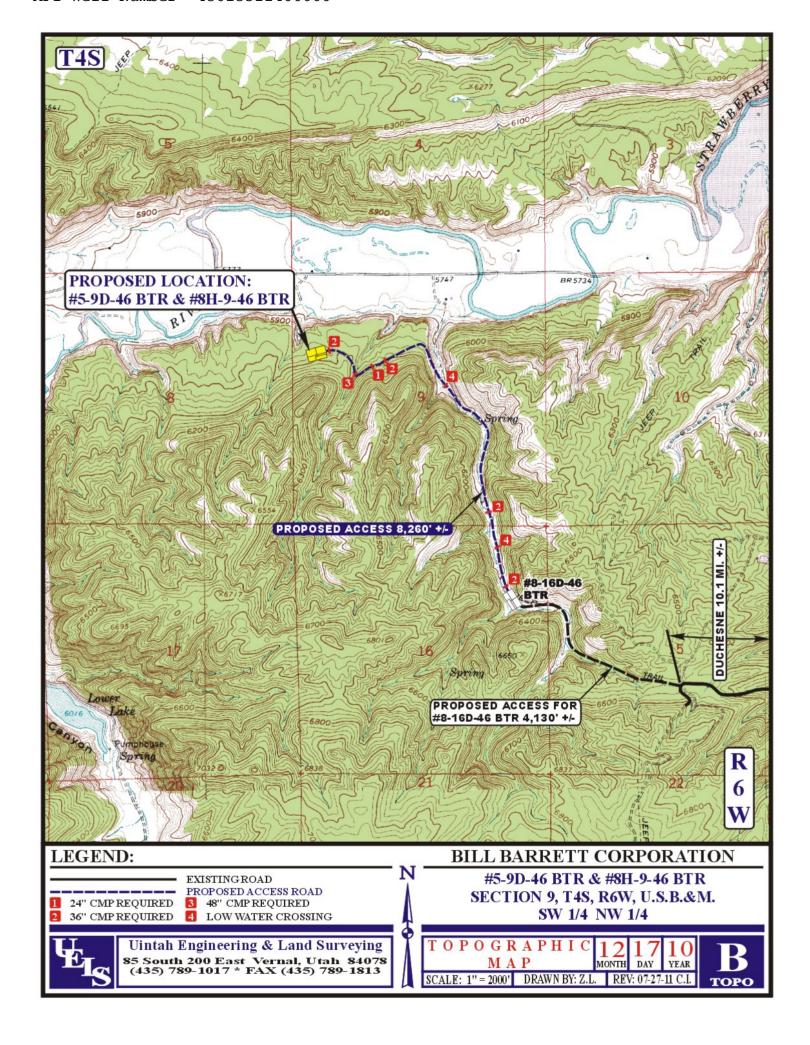
Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

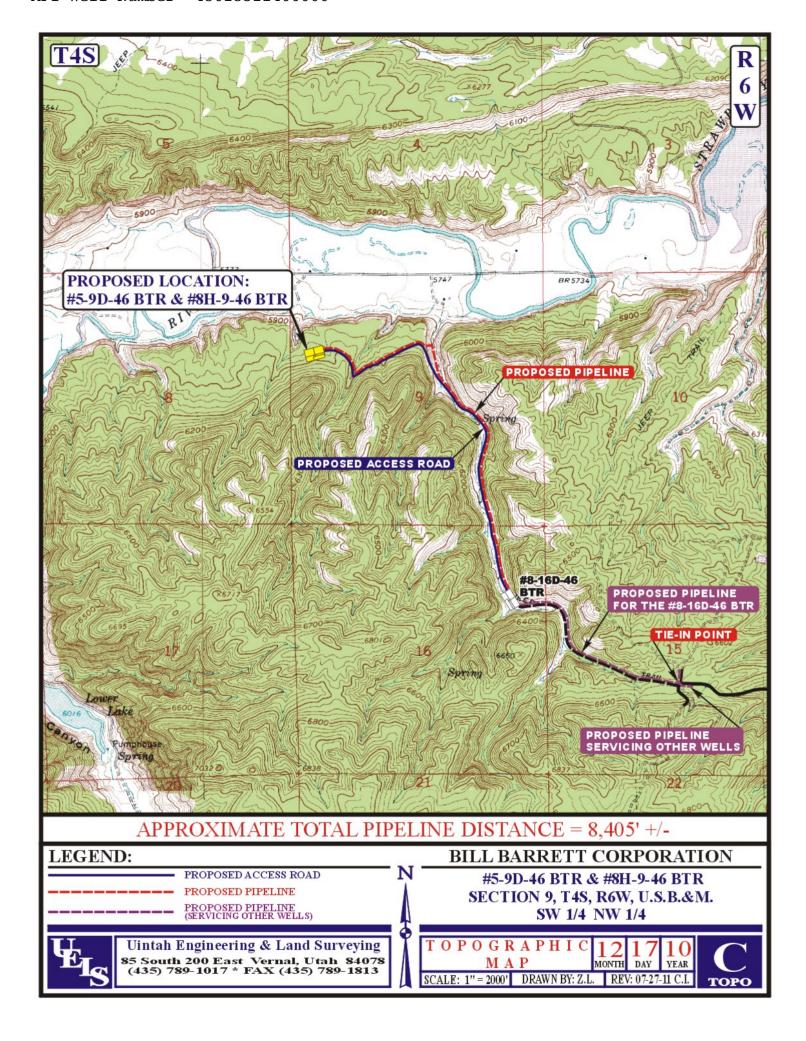
F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.







API Well Number: 43013511400000 **Bill Barrett Corporation**

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature

Error System: ISCWSA

Scan Method: Closest Approach 3D Error Surface: Elliptical Conic

TVD

5669.0

Warning Method: Error Ratio

Name 8H-9-46 BTR PBHL SITE DETAILS: 8H-9-46 BTR

Blacktail Ridge

Site Centre Latitude: 40° 9' 0.119 N

Longitude: 110° 34' 29.730 W

Positional Uncertainity: 0.0 Convergence: 0.59

Local North: True

WEI	LBORE TAR	GET DETAILS (LAT/	LONG)	
+N/-S	+E/-W	Latitude	Longitude	Shape
-308.2	3943.1	40° 8' 57.070 N	110° 33′ 38.948 W	Rectangle (Sides: L200.0 W200.0)

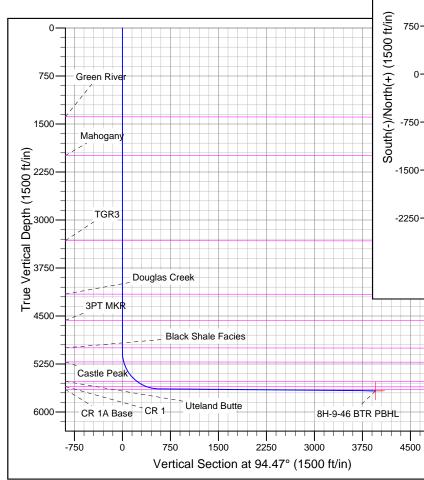
2250

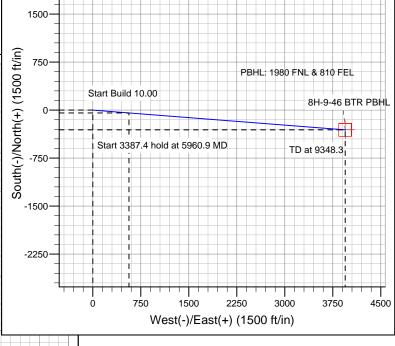
				SECT	ION DET	AILS			
Sec MD 1 0.0	Inc 0.00	Azi 0.00	TVD 0.0	+N/-S 0.0	+E/-W 0.0	0.00	TFace 0.00	0.0	Target
2 5066.0 3 5960.9	0.00 89.49	0.00 94.47	5066.0 5638.9	0.0 -44.3	0.0 566.1	0.00	0.00 94.47	0.0 567.9	
4 9348.3 5 9348.3		94.47	5669.0 5669.0	-308.2 -308.2	3943.1 3943.1	0.00	0.00	3955.2 3955.2	8H-9-46 BTR PBHL

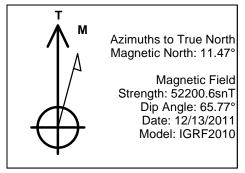
FORMATION TOP DETAILS TVDPath MDPath Formation 1389.0 1389.0 Green River Mahogany 1994.0 1994.0 3324.0 3324.0 TGR3 4159.0 4159.0 **Douglas Creek** 4569.0 4569.0 3PT MKR 4999.0 4999.0 **Black Shale Facies** Castle Peak 5219.0 5220.9 **Uteland Butte** 5524.2 5597.0 5604.3 5765.6 CR 1 5650.3 7239.1 CR 1A Base

CASING DETAILS

No casing data is available







BILL BARRETT CORP

DUCHESNE COUNTY, UT (NAD 27) 8H-9-46 BTR 8H-9-46 BTR

8H-9-46 BTR

Plan: Design #1

Standard Planning Report

13 December, 2011

Bill Barrett Corp

Planning Report

Database: Company:

Compass

BILL BARRETT CORP

Project:

DUCHESNE COUNTY, UT (NAD 27)

Site:

8H-9-46 BTR

Well: Wellbore: 8H-9-46 BTR

Design:

8H-9-46 BTR Design #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well 8H-9-46 BTR

KB @ 5996.0ft (Original Well Elev) KB @ 5996.0ft (Original Well Elev)

True

Minimum Curvature

Project

DUCHESNE COUNTY, UT (NAD 27)

0.0 ft

Map System:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Geo Datum: NAD 1927 (NA

System Datum:

Ground Level

Map Zone:

Utah Central 4302

Site 8H-9-46 BTR

Site Position: From:

Lat/Long

Northing: Easting: Slot Radius: 663,032.13 ft 2,258,583.63 ft Latitude: Longitude: Grid Convergence: 40° 9' 0.119 N 110° 34' 29.730 W

0.59 °

Well Position

8H-9-46 BTR

+N/-S 0.0 ft **+E/-W** 0.0 ft

Northing: Easting: 663,032.12 ft 2,258,583.63 ft Latitude: Longitude:

Dip Angle

(°)

40° 9' 0.119 N 110° 34' 29.730 W

Position Uncertainty

Position Uncertainty:

0.0 ft

Wellhead Elevation:

ft

Ground Level:

65.77

5,980.0 ft

52,201

Field Strength (nT)

Wellbore	8H-9-46 BTR			
Magnetics	Model Name	Sample Date	Declination (°)	
	IGRF2010	12/13/2011	11.47	

Design	Design #1					
Audit Notes:						
Version:		Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction	
		(ft)	(ft)	(ft)	(°)	
		0.0	0.0	0.0	94.47	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,066.0	0.00	0.00	5,066.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,960.9	89.49	94.47	5,638.9	-44.3	566.1	10.00	10.00	0.00	94.47	
9,348.3	89.49	94.47	5,669.0	-308.2	3,943.1	0.00	0.00	0.00	0.00	
9,348.3	0.00	0.00	5,669.0	-308.2	3,943.1	0.00	0.00	0.00	180.00	8H-9-46 BTR PBHL

Bill Barrett Corp

Planning Report

Database: Compass

Company: BILL BARRETT CORP

Project: DUCHESNE COUNTY, UT (NAD 27)

 Site:
 8H-9-46 BTR

 Well:
 8H-9-46 BTR

 Wellbore:
 8H-9-46 BTR

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well 8H-9-46 BTR

KB @ 5996.0ft (Original Well Elev) KB @ 5996.0ft (Original Well Elev)

True

Minimum Curvature

Design:	Design #1								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,389.0	0.00	0.00	1,389.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,994.0 Mahogany	0.00	0.00	1,994.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00 0.00	0.00 0.00	2,300.0 2,400.0	0.0	0.0 0.0	0.0	0.00 0.00	0.00	0.00 0.00
2,400.0 2,500.0	0.00	0.00	2,500.0	0.0 0.0	0.0	0.0 0.0	0.00	0.00 0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0 3,000.0	0.00	0.00	2,900.0 3.000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0 3.100.0	0.00 0.00	0.00 0.00	3,000.0 3,100.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,324.0 TGR3	0.00	0.00	3,324.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0		0.0	0.0	0.00	0.00	0.00
3,700.0 3,800.0	0.00	0.00	3,700.0 3,800.0	0.0 0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,159.0	0.00	0.00	4,159.0	0.0	0.0	0.0	0.00	0.00	0.00
Douglas Cree 4,200.0	9 k 0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database: Compass

Company: BILL BARRETT CORP

 Project:
 DUCHESNE COUNTY, UT (NAD 27)

 Site:
 8H-9-46 BTR

 Well:
 8H-9-46 BTR

 Wellbore:
 8H-9-46 BTR

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well 8H-9-46 BTR

KB @ 5996.0ft (Original Well Elev) KB @ 5996.0ft (Original Well Elev)

True

Minimum Curvature

Design:		Design #1								
Planned Surv	vey									
De	sured epth ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	4,569.0	0.00	0.00	4,569.0	0.0	0.0	0.0	0.00	0.00	0.00
	MKR									
	4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4	4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4	4,999.0	0.00	0.00	4,999.0	0.0	0.0	0.0	0.00	0.00	0.00
Blac	ck Shale F	acies								
	5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
	5,066.0	0.00	0.00	5,066.0	0.0	0.0	0.0	0.00	0.00	0.00
	5,100.0	3.40	94.47	5,100.0	-0.1	1.0	1.0	10.00	10.00	0.00
;	5,200.0	13.40	94.47	5,198.8	-1.2	15.6	15.6	10.00	10.00	0.00
	5,220.9	15.49	94.47	5,219.0	-1.6	20.7	20.8	10.00	10.00	0.00
Cas	tle Peak									
	5,300.0	23.40	94.47	5,293.5	-3.7	47.0	47.1	10.00	10.00	0.00
!	5,400.0	33.40	94.47	5,381.4	-7.4	94.3	94.6	10.00	10.00	0.00
	5,500.0	43.40	94.47	5,459.7	-12.2	156.2	156.7	10.00	10.00	0.00
;	5,597.0	53.10	94.47	5,524.2	-17.8	228.2	228.9	10.00	10.00	0.00
Ute	land Butte	•								
	5,600.0	53.40	94.47	5,526.0	-18.0	230.6	231.3	10.00	10.00	0.00
	5,700.0	63.40	94.47	5,578.3	-24.7	315.4	316.4	10.00	10.00	0.00
!	5,765.6	69.96	94.47	5,604.3	-29.3	375.5	376.6	10.00	10.00	0.00
CR	1									
	5,800.0	73.40	94.47	5,615.1	-31.9	408.0	409.3	10.00	10.00	0.00
;	5,900.0	83.40	94.47	5,635.2	-39.5	505.6	507.1	10.00	10.00	0.00
	5,960.9	89.49	94.47	5,638.9	-44.3	566.1	567.9	10.00	10.00	0.00
	6,000.0	89.49	94.47	5,639.3	-47.3	605.1	607.0	0.00	0.00	0.00
	6,100.0	89.49	94.47	5,640.2	-55.1	704.8	707.0	0.00	0.00	0.00
	6,200.0	89.49	94.47	5,641.1	-62.9	804.5	806.9	0.00	0.00	0.00
(6,300.0	89.49	94.47	5,641.9	-70.7	904.2	906.9	0.00	0.00	0.00
	6,400.0	89.49	94.47	5,642.8	-78.5	1,003.9	1,006.9	0.00	0.00	0.00
	6,500.0	89.49	94.47	5,643.7	-86.3	1,103.6	1,106.9	0.00	0.00	0.00
	6,600.0	89.49	94.47	5,644.6	-94.1	1,203.3	1,206.9	0.00	0.00	0.00
	6,700.0	89.49	94.47	5,645.5	-101.8	1,303.0	1,306.9	0.00	0.00	0.00
	6,800.0	89.49	94.47	5,646.4	-109.6	1,402.6	1,406.9	0.00	0.00	0.00
	6,900.0	89.49	94.47	5,647.3	-117.4	1,502.3	1,506.9	0.00	0.00	0.00
	7,000.0	89.49	94.47	5,648.2	-117.4	1,602.0	1,606.9	0.00	0.00	0.00
	7,100.0	89.49	94.47	5,649.0	-133.0	1,701.7	1,706.9	0.00	0.00	0.00
	7,200.0	89.49	94.47	5,649.9	-140.8	1,801.4	1,806.9	0.00	0.00	0.00
	7,239.1	89.49	94.47	5,650.3	-143.9	1,840.4	1,846.0	0.00	0.00	0.00
CR	1A Base									
	7,300.0	89.49	94.47	5,650.8	-148.6	1,901.1	1,906.9	0.00	0.00	0.00
	7,400.0	89.49	94.47	5,651.7	-156.4	2,000.8	2,006.9	0.00	0.00	0.00
	7,500.0	89.49	94.47	5,652.6	-164.2	2,100.5	2,106.9	0.00	0.00	0.00
	7,600.0	89.49	94.47	5,653.5	-172.0	2,200.2	2,206.9	0.00	0.00	0.00
	7,700.0	89.49	94.47	5,654.4	-179.8	2,299.9	2,306.9	0.00	0.00	0.00
	7,800.0	89.49	94.47	5,655.3	-187.6	2,399.6	2,406.9	0.00	0.00	0.00
	7,900.0	89.49	94.47	5,656.1	-195.4	2,499.3	2,506.9	0.00	0.00	0.00
	8,000.0	89.49	94.47	5,657.0	-203.1	2,598.9	2,606.9	0.00	0.00	0.00
	8,100.0	89.49	94.47	5,657.9	-210.9	2,698.6	2,706.9	0.00	0.00	0.00
	8,200.0	89.49	94.47	5,658.8	-218.7	2,798.3	2,806.9	0.00	0.00	0.00
	8,300.0	89.49	94.47	5,659.7	-226.5	2,898.0	2,906.9	0.00	0.00	0.00
	8,400.0	89.49	94.47	5,660.6	-234.3	2,997.7	3,006.9	0.00	0.00	0.00
	5, 100.0	00.70	∪ ⊤. ⊤ ≀	3,000.0	20-7.0	۲,001.1	5,000.5	0.00	0.00	0.00

DUCHESNE COUNTY, UT (NAD 27)

Bill Barrett Corp

Planning Report

Database: Compass

Project:

Company: BILL BARRETT CORP

 Site:
 8H-9-46 BTR

 Well:
 8H-9-46 BTR

 Wellbore:
 8H-9-46 BTR

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 8H-9-46 BTR

KB @ 5996.0ft (Original Well Elev) KB @ 5996.0ft (Original Well Elev)

True

Minimum Curvature

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,500.0	89.49	94.47	5,661.5	-242.1	3,097.4	3,106.9	0.00	0.00	0.00
8,600.0	89.49	94.47	5,662.4	-249.9	3,197.1	3,206.9	0.00	0.00	0.00
8,700.0	89.49	94.47	5,663.2	-257.7	3,296.8	3,306.8	0.00	0.00	0.00
8,800.0	89.49	94.47	5,664.1	-265.5	3,396.5	3,406.8	0.00	0.00	0.00
8,900.0	89.49	94.47	5,665.0	-273.3	3,496.2	3,506.8	0.00	0.00	0.00
9,000.0	89.49	94.47	5,665.9	-281.1	3,595.9	3,606.8	0.00	0.00	0.00
9,100.0	89.49	94.47	5,666.8	-288.9	3,695.6	3,706.8	0.00	0.00	0.00
9,200.0	89.49	94.47	5,667.7	-296.7	3,795.3	3,806.8	0.00	0.00	0.00
9,300.0	89.49	94.47	5,668.6	-304.4	3,894.9	3,906.8	0.00	0.00	0.00
9,348.3	0.00	0.00	5,699.5	-306.8	3,925.5	3,937.5	185.12	-185.12	-195.42

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,389.0	1,389.0	Green River		-0.51	
	1,994.0	1,994.0	Mahogany		-0.51	
	3,324.0	3,324.0	TGR3		-0.51	
	4,159.0	4,159.0	Douglas Creek		-0.51	
	4,569.0	4,569.0	3PT MKR		-0.51	
	4,999.0	4,999.0	Black Shale Facies		-0.51	
	5,220.9	5,219.0	Castle Peak		-0.51	
	5,597.0	5,524.0	Uteland Butte		-0.51	
	5,765.6	5,604.0	CR 1		-0.51	
	7,239.1	5,649.0	CR 1A Base		-0.51	

SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the <u>8th</u> day of <u>March</u>, <u>2011</u>, by and between <u>Marilyn R. Lott</u>, <u>Trustee of the Charles L. and Marilyn R. Lott Family Trust</u>, <u>Dated January 29</u>, 1992, 1310 North 4700 West, Ogden, UT 84404-9550, ("Surface Owner"), and, <u>Bill Barrett Corporation</u>, 1099 18th Street, Suite 2300, Denver CO 80202, ("BBC").

WITNESSETH THAT:

WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting Section 9, Township 4 South, Range 6 West, USM, of Duchesne County, Utah; and,

WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #5-9D-46 BTR well at a legal drill-site location in the SW1/4NW1/4 of Section 9, Township 4 South, Range 6 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the S1/2NW1/4 Section 9, Township 4 South, Range 6 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,

BBC shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

BBC shall repair any fences and gates damaged by them during the course of their operations on the lands subject to this Agreement.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

This Agreement shall inure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be deemed to constitute a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

SURFACE OWNER:

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the <u>8th</u> day of <u>March</u>, <u>2011</u>.

BILL BARRETT CORPORATION

By: Marilyn C. Lott, By: Culul W. Jenn
Marilyn'R. Lotte Trustee Trustee Clint W. Turner
As Agent for Bill Barrett Corporation
OTH A TOTAL CONTROL OF THE CONTROL O
STATE OF UTAH)
)
COUNTY OF Weben
On the quantum day of March, 2011, personally appeared before me_
Marilyn R. Lott, known to me to be the person whose name is subscribed to the foregoing
instrument and acknowledged to me that she executed the same for the purpose and
consideration therein expressed.
Call all
Notary Public
Residing at:
My Commission Expires: 5(11/2017) NOTARY PUBLIC NOTARY PUBLIC NOTARY PUBLIC
LYNETTE SINGLETON
Commission # 574606
My Commission Expires May 11, 2012
STATE OF UTAH
STATE OF UTAH)
j
COUNTY OF SALT LAKE)
On the day of, 2011, personally appeared before me
Clint W. Turner, who, being by me duly sworn, did say that he is the
Agent of Rill Barrett Corporation and that said instrument was also also be a second instrument.
Agent of Bill Barrett Corporation and that said instrument was signed in behalf of said
corporation by authority of a resolution of its Board of Directors and said
<u>Clint W. Turner</u> acknowledged to me that said corporation executed the same.
Out Willie lord by
Notary Public
Residing at:
My Commission Expires: 10-24-2014 DANIEL WILLIAM COSTLEY
MOTADY DIED IT. STATE OF ITTAIN

NOTARY PUBLIC-STATE OF UTAH

STATE OF UTAH COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, Peatross Ranch LLC, whose mailing address is P.O. Box 661, Duchesne, UT 84021-0661, (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 4 SOUTH, RANGE 6 WEST, USM Section 9: SW1/4NE1/4, NW1/4SE1/4, SW1/4SE1/4

See Exhibit "A"

WHEREAS, Bill Barrett Corporation., whose address is 1099 18th Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a road and pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

WHEREAS, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the natural gas line over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and are binding upon Grantor, Grantor's heirs, legal representatives and successors in title.

Grantee shall repair or replace any fences damaged by them, their employees or contractors with a new fence that will be exactly the same type of fence that is damaged. Grantee shall also reseed the pipeline damaged area with native grasses. It is agreed that Grantee will install up to two (2) cattleguards and necessary fencing, at Grantee's expense, at a location(s) to be mutually agreed upon by the parties at the time of construction. Grantee shall exercise all due care regarding the road and pipeline running across, by and through the existing spring area to protect the integrity thereof. Grantee shall also prevent undue dust creation in its use of the subject road and pipeline.

Upon abandonment of the facilities Grantee, at Grantor's request, shall restore such facilities and ground to as near their original condition as possible and shall furnish a recordable document evidencing such abandonment to Grantor, or Grantor's successors in interest, and all rights that Grantee has under the terms of this Agreement shall be terminated.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 8th day of March, 2011.

GRANTOR:

PEATROSS RANCH LLC

By: Kent Peatross
Its: Managing Partner

GRANTEE:

BILL BARRETT CORPORATION

Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENT

STATE OF UTAH COUNTY OF DUCHESNE

On this 2/ day of $\sqrt{u/y}$, 2011, before me personally appeared <u>Kent Peatross</u>, known to me to be the person who is described in and who executed the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal.

Notary Public
JOANN EVANS
JOUCheens, Utah 84021
My Commission Expires
September 20, 2011
State of Utah

My Commission Expires: Jeffember 20, 2011
Duchesne, Utah

My Commission Expires: Jeffember 20, 2011

My Commission Expires: Jeffember 20

ACKNOWLEDGMENT

STATE OF UTAH COUNTY OF SALT LAKE

On this day of , 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10 - 24 · 2014

DANIEL WILLIAM COSTLEY NOTARY PUBLIC-STATE OF UTAH COMMISSIONS 600945

COMM. EXP. 10-24-2014

Notary Public Residing at:

STATE OF UTAH COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, Rey Patricia Lynn Woodruff, whose mailing address is 1390 Broadway, #B156, Placerville, CA 95667-5900, (hereinafter referred to as GRANTOR, whether one or more) is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 4 SOUTH, RANGE 6 WEST, USM

Section 9: NE1/4SE1/4

See Exhibit "A" and "B"

WHEREAS, Bill Barrett Corporation., whose address is 1099 18th Street, Suite 2300, Denver, CO 80202, (hereinafter referred to as GRANTEE) desires to construct a road and pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

WHEREAS, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the natural gas line over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and are binding upon Grantor, Grantor's heirs, legal representatives and successors in title.

Grantee shall repair or replace any fences damaged by them, their employees or contractors with a new fence that will be exactly the same type of fence that is damaged. Grantee shall also reseed the pipeline damaged area with native grasses.

Upon abandonment of the facilities Grantee shall restore such facilities to as near its original condition as possible and shall furnish a recordable document evidencing such abandonment to Grantor, or Grantor's successors in interest, and all rights that Grantee has under the terms of this Agreement shall be terminated.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 8th day of March, 2011.

GRANTORS:

Vatricia Lynn Woodruff
Patricia Lynn Woodruff

GRANTEE:

BILL BARRETT CORPORATION

Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENTS

ry Public

STATE OF CALIFORNIA COUNTY OF Santa Barbara

On this 23 day of MALCH, 2011, before me personally appeared the within instrument and acknowledged to me that they executed the same.

WITNESS my hand and official seal.

LINDA MALHOTRA

Commission # 1783736

Notary Public - California # Santa Barbara County

My Comm. Expires Dec 7, 2011

My Commission Expires: DEC 7, 2011

ResYding at:
THE UPS STORE
315 MEIGS RD A
SANTA BARBARA, CA 93109

DANIEL WILLIAM COSTLEY NOTARY PUBLIC-STATE OF UTAH COMMISSION# 600945 COMM. EXP. 10-24-2014

ACKNOWLEDGMENT

STATE OF UTAH COUNTY OF SALT LAKE

My Commission Expires: 16 - Z4 - 2014

Notary Public Residing at:

AFFIDAVIT OF POSSESSION, USE, AND OCCUPANCY (Of Lands)

State: UTAH

County: DUCHESNE

Affiant: Patricia Lynn Woodruff

1390 Broadway, #B156, Placerville, CA 95667-5900

Affiant on oath swears that the following statements are true:

My name is Patricia Lynn Woodruff. I am over the age of twenty-one (21) years, and am familiar with the possession of the following lands (the "Lands") located in Duchesne County, Utah.

Township 4 South, Range 6 West, USM: SEC. 9: NE1/4SE1/4 (40 acres, more or less)

Be it known that about twenty years (20) ago, Ray E. Woodruff and I, Patricia Lynn Woodruff, were divorced. I have since considered myself to be in possession of the land as I have paid the taxes in their entirety for all these years and continue to do so. Ray E. Woodruff has not made any claim to this land, nor is it known as to his whereabouts. My possession of the Lands has been in open, adverse, peaceable, and undisputed possession of the Lands for more than twenty (20) years.

There have been no adverse claims made against me, and, I am unaware of any person claiming ownership or possession of the Lands other than myself.

Affiant

Patricia Lynn Woodruff

March 23, 2011

Date:

1

ACKNOWLEDGMENT

STATE OF CALIFORNIA COUNTY OF Santa Barbara

On this 23 day of MARCH, 2011, before me personally appeared Patricia Lynn Woodruff, known to me to be the person who is described in and who executed the within instrument and acknowledged to me that she executed the same.

WITNESS my hand and official seal.

Nary Public

Residing at: _

THE UPS STORE 315 MEIGS RD A SANTA BARBARA, CA 93109

My Commission Expires: Dec 7, 2011

LINDA MALHOTRA
Commission # 1783736
Notary Public - California # Santa Barbara County
My Comm. Explos Dec 7, 2011

STATE OF UTAH COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, David Oliver Leo, whose mailing address is 5025 North Clydebank Avenue, Covina, CA 91722-1114, (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 4 SOUTH, RANGE 6 WEST, USM

Section 9: SE1/4SE1/4

See Exhibit "A" and "B"

WHEREAS, Bill Barrett Corporation., whose address is 1099 18th Street, Suite 2300, Denver, CO 80202, (hereinafter referred to as GRANTEE), desires to construct a road and pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

WHEREAS, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the natural gas line over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and are binding upon Grantor, Grantor's heirs, legal representatives and successors in title.

Grantee shall repair or replace any fences damaged by them, their employees or contractors with a new fence that will be exactly the same type of fence that is damaged. Grantee shall also reseed the pipeline damaged area with native grasses.

Upon abandonment of the facilities Grantee shall restore such facilities to as near its original condition as possible and shall furnish a recordable document evidencing such abandonment to Grantor, or Grantor's successors in interest, and all rights that Grantee has under the terms of this Agreement shall be terminated.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 8th day of March, 2011.

GRANTOR:

David Oliver Leo

GRANTEE:

BILL BARRETT CORPORATION

Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENTS

STATE OF CALIFORNIA Angeles COUNTY OF LOS On this 17th day of April , 2011, before me personally appeared David Oliver Leo, known to me to be the person who is described in and who executed the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal. LOREN H. OESTERLE Commission No.1860821
NOTARY PUBLIC - CALIFORNIA LOS ANGELES COUNTY Commission Expires AUG 10, 2013 My Commission Expires: 08-10-2013**ACKNOWLEDGMENT** STATE OF UTAH COUNTY OF SALT LAKE On this _ day of __ that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same. My Commission Expires: 10 · 24 - 2014 Notary Public Residing at: DANIEL WILLIAM COSTLEY

SURFACE USE PLAN

BILL BARRETT CORPORATION 5-9D-46 BTR & 8H-9-46 BTR Pad

Duchesne County, Utah

5-9D-46 BTR

SWNW, 1684' FNL & 496' FWL, Sec. 9, T4S-R6W (surface hole) SWNW, 1980' FNL & 810' FWL, Sec. 9, T4S-R6W (bottom hole)

8H-9-46 BTR

SWNW, 1679' FNL & 511' FWL, Sec. 9, T4S-R6W (surface hole) SENE, 1980' FNL & 810' FEL, Sec. 9, T4S-R6W (bottom hole)

The onsite inspection for this pad occurred on October 14, 2011 with the Tribe and on October 28, 2011 with the BLM. This is a new pad with a total of two proposed wells. Site-specific notes, conditions and plat changes requested at the onsite are reflected within this APD and summarized below.

- a) Raptor survey required if construction is proposed between May 1 and July 15;
- b) Numerous CMP's as noted on Figure 1;
- c) Straight-wall pit to the extent possible to minimize cut;
- d) Relocated pit spoils from corners B & C to corners B & 4, pit topsoil from corners 6 & C to corners 3 & 4 and pad topsoil from corners 2 & 8 to corners 2 & 3;
- e) Round corner 8 to the extent possible;

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well pad is located approximately 12.5 miles west of Duchesne, Utah. Maps and directions reflecting the route to the proposed well pad are included (see Topographic maps A and B).
- b. The existing State Highway 191 would be utilized from Duchesne for 3.5 miles to the existing BBC maintained Skitzy Road that would be utilized for 6.6 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 8,260 feet of new access road trending northwest is planned from the proposed 8-16D-46 BTR access road. The 8-16D-46 BTR access road has been applied for and continues an additional 4,130 feet to the existing Skitzy Road (see Topographic Map B). The proposed access road crosses both private (6,873 feet) and Ute Tribe surface (1,387 feet).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the pad.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

- h. Turnouts are not proposed.
- One 48-inch, four 36-inch, one 24-inch culverts and two low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- 1. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

3. <u>Location of Existing Wells (see One-Mile Radius Map):</u>

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	none
v.	temp shut-in wells	one
vi.	producing wells	one
vii.	abandoned wells	one

4. <u>Location of Production Facilities</u>

a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

- b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.
- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 8,405 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southeast to the proposed 8-16D-46 BTR pipeline corridor. The 8-16D-46 BTR pipeline corridor has been applied for and continues 4,130 feet to the existing pipeline corridor for the 7-3-56 DLB. Pipelines would be constructed of steel, polyethylene or fiberglass. The pipeline crosses both private (7,033 feet) and Ute Tribe surface (1,372 feet).
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well pad and access roads would facilitate the staging of the pipeline construction.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

- Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the reestablishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective Beetle Green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- 1. The pad would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. <u>Location and Type of Water Supply:</u>

a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah Division of Water Rights.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations for each well.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. <u>Methods of Handling Waste Disposal:</u>

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the wells other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

Disposal Facilities

- 1. RNI Industries, Inc. Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
- 2. Pro Water LLC Blue Bench 13-1 Disposal Well (43-013-30971)

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

Disposal Facilities

NENE, Sec. 13, T3S-R5W

- 3. RN Industries, Inc. Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
- 4. Water Disposal, Inc. Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
- 5. Unified Water Pits Sec. 31, T2S-R4W
- 6. Iowa Tank Line Pits 8500 BLM Fence Road, Pleasant Valley
- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

- 1. A flare pit may be constructed a minimum of 110 feet from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. <u>Ancillary Facilities:</u>

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A powerline corridor is not proposed at this time but may be applied for in the future.

9. Well Pad Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 384 feet x 255 feet with an inboard reserve pit size of 235 feet x 70 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the well pad area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency.
- b. Pad reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well pad by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.

f. Topsoil salvaged from the drill pad and stored for more than one year would be placed at the location indicated on the well pad layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. <u>Surface and Mineral Ownership:</u>

- a. Surface ownership
 - o Charles L & Marilyn R. Lott (pad, access and pipeline segment);
 - o Peatross Ranch LLC (access and pipeline corridors);
 - o Ray E & Patricia Lynn Woodruff (access and pipeline corridors);
 - o David O. Leo (access and pipeline corridors);
 - Ute Indian Tribe (access and pipeline corridors);
- b. Mineral ownership Ute Indian Tribe 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies as MOAC Report No. 10-255 dated May 10, 2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs or firearms within the Project Area.
 - No littering within the Project Area.
 - Smoking within the Project Area would only be allowed in off-operator
 active locations or in specifically designated smoking areas. All cigarette
 butts would be placed in appropriate containers and not thrown on the
 ground or out windows of vehicles; personnel and contractors would abide
 by all fire restriction orders.
 - Campfires or uncontained fires of any kind would be prohibited.
 - Portable generators used in the Project Area would have spark arrestors.

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

d. Disturbance estimates:

Approximate Acreage Disturbances

Well Pad		4.066	acres
Access	8260 feet	5.689	acres
Pipeline	8405 feet	5.789	acres

Total 15.544 acres

Bill Barrett Corporation Surface Use Plan 5-9D-46 BTR & 8H-9-46 BTR Pad Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this day of Quember 2013

Name: Venessa Langmacher
Position Title: Senior Permit Analyst

Address: 1099 18th Street, Suite 2300, Denver, CO 80202

Telephone: 303-312-8172

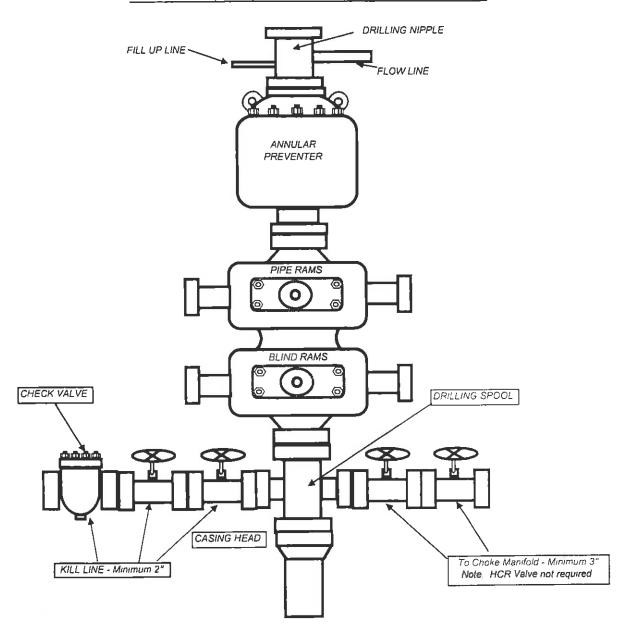
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)

E-mail: keldredge@billbarrettcorp.com

Venessa Langmacher, Senior Permit Analyst

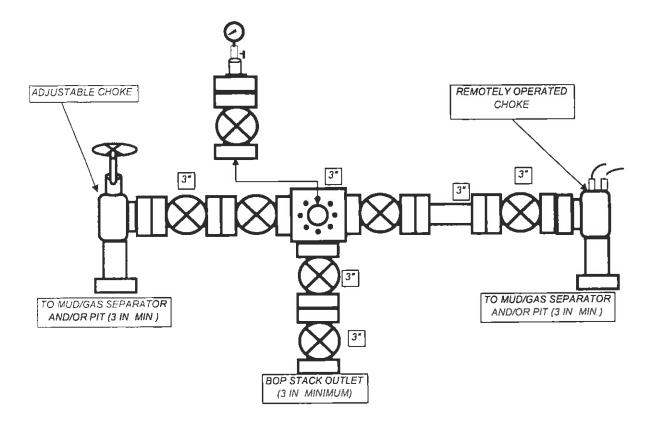
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





December 21, 2011

Ms. Diana Mason – Petroleum Technician State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11

Blacktail Ridge Area #8H-9-46 BTR Well

Surface: 1679' FNL & 511' FWL, SWNW, 9-T4S-R6W, USM Bottom Hole: 1980' FNL & 810' FEL, SENE, 9-T4S-R6W, USM

Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

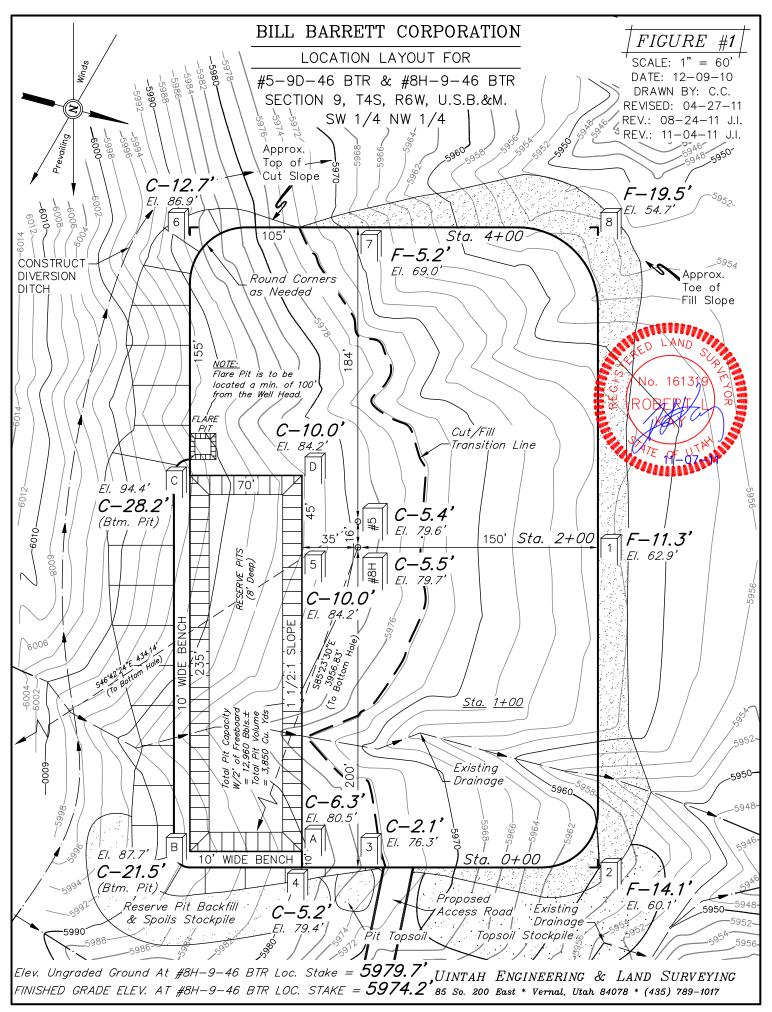
- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

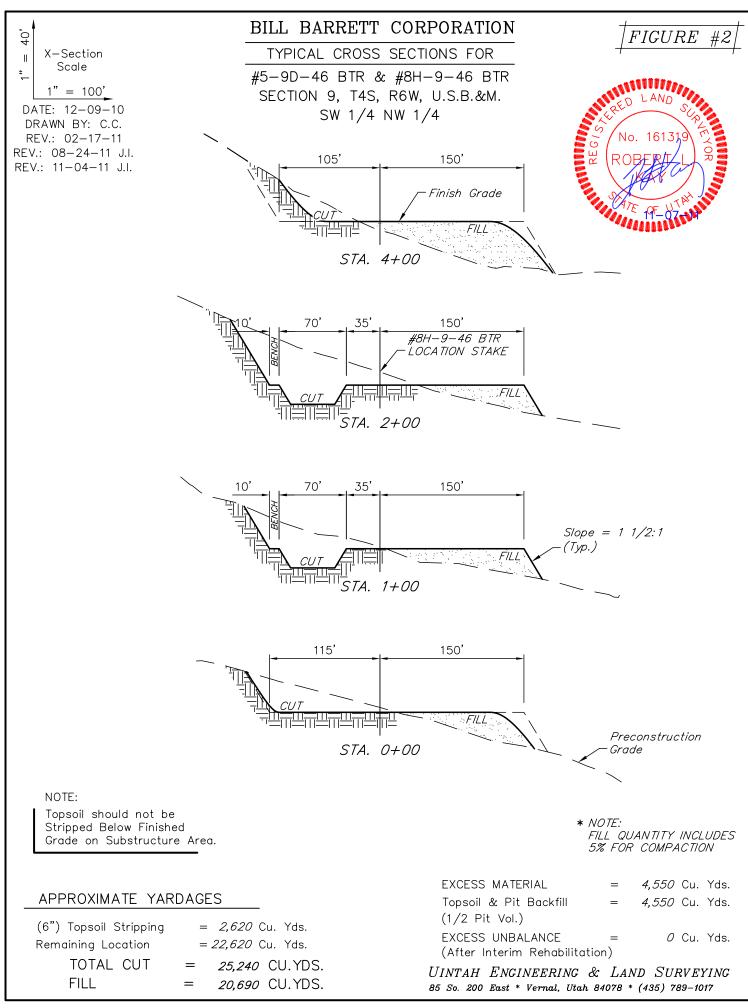
Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

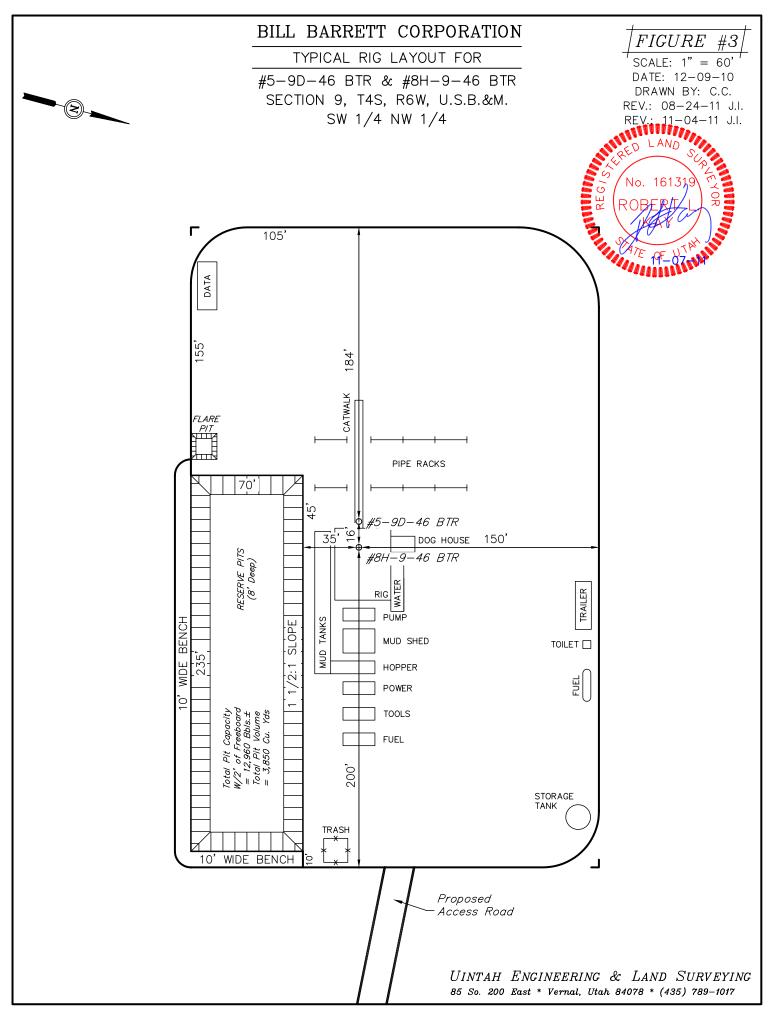
Sincerely,

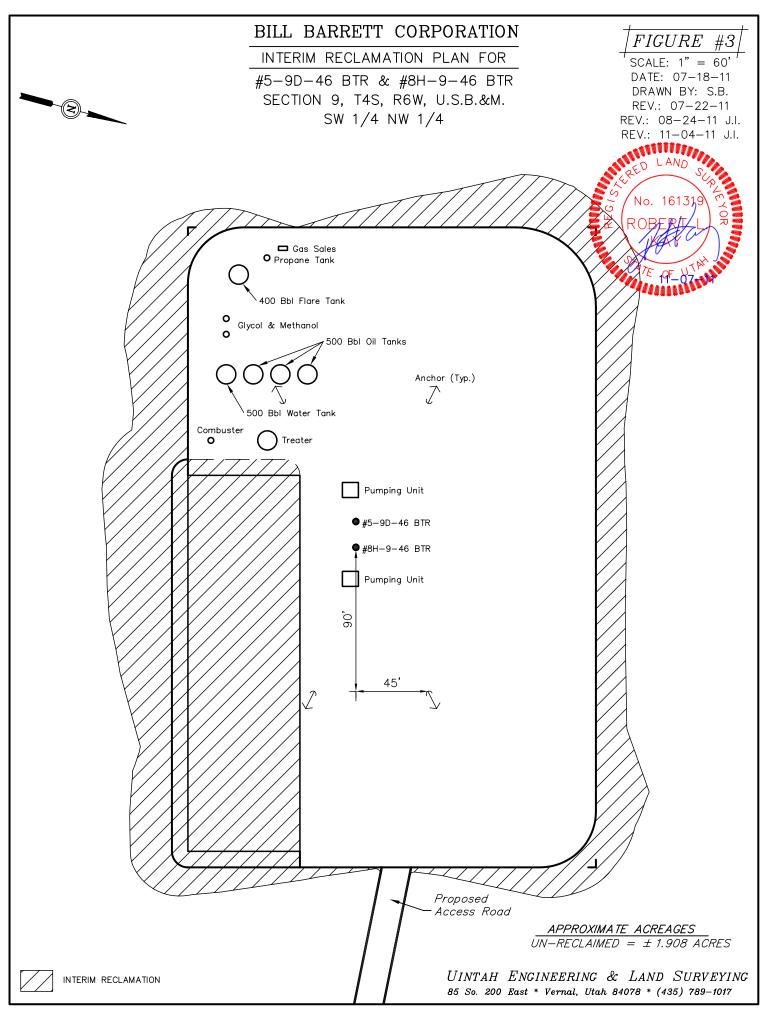
Venesia Languachel David Watts 150

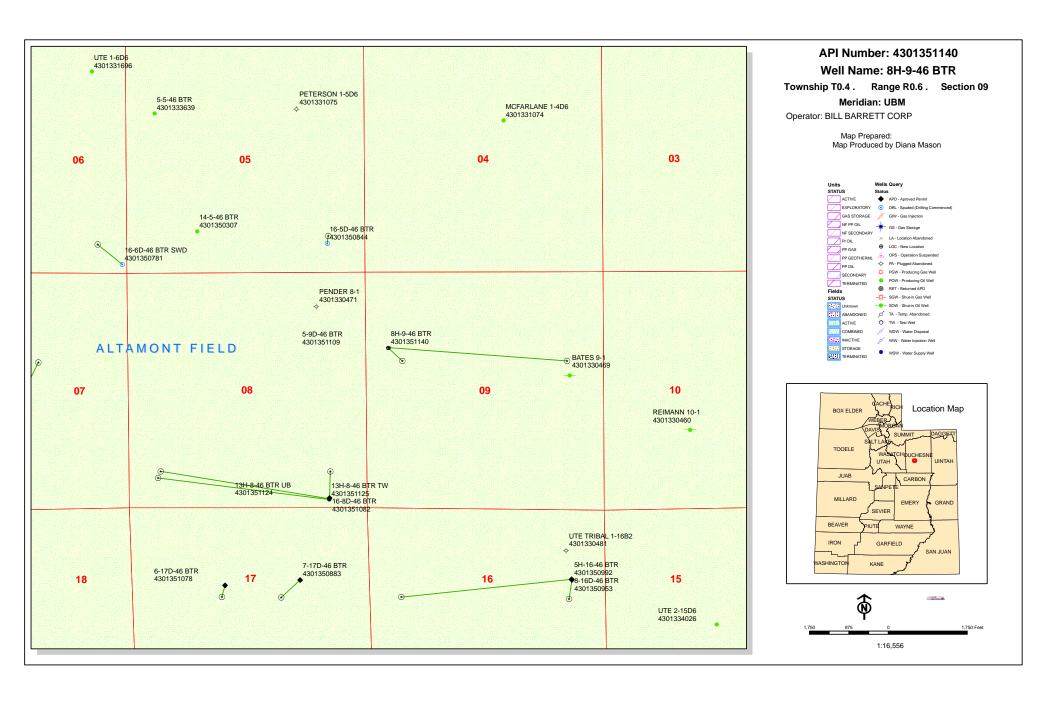
Landman











ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP

Well Name 8H-9-46 BTR

API Number 43013511400000 APD No 5113 Field/Unit ALTAMONT

Location: 1/4,1/4 SWNW Sec 9 Tw 4.0S Rng 6.0W 1679 FNL 511 FWL

GPS Coord (UTM) Surface Owner

Participants

Richard Powell (UDOGM), Trevor Anderson (UELS), Don Hamilton (Starpoint), Kary Eldredge (BBC)

Regional/Local Setting & Topography

This location is set on a bench just above the south side of the Stawberry River flood plain approximately 9 miles west of Duchesne UT. Drainage from this site is north to the Strawberry River approximately 0.5 mile to the north. The bench rises in elevation toward the north through a series of scattered small ridges and draws.

Surface Use Plan

Current Surface Use

Wildlfe Habitat

New Road Miles Src Const Material Surface Formation

1.6 Width 255 Length 400 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Pinion, Juniper, sparse grasses

Deer, elk

Soil Type and Characteristics

exposed rock, shallow soils moderate permeability.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

Berm Required? Y

2/7/2012 Page 1

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)
Distance to Surface Water (feet)
Dist. Nearest Municipal Well (ft)
Distance to Other Wells (feet)
Native Soil Type
Fluid Type
Drill Cuttings
Annual Precipitation (inches)
Affected Populations
Presence Nearby Utility Conduits

Final Score

Sensitivity Level

Characteristics / Requirements

The reserve pit is 235ft by 70ft by 8ft deep. It is placed mostly in cut on the high side of the location and will be in a stable location. A 20 mil liner and felt subliner must be used.

Closed Loop Mud Required? N Liner Required? N Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell **Evaluator**

1/19/2012

Date / Time

2/7/2012 Page 2

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5113	43013511400000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD		
Well Name	8H-9-46 BTR		Unit		
Field	ALTAMONT		Type of Work	DRILL	
	SWNW 9 4S 6W 1	U 1679 FNL	511 FWL GPS Coord		

Location (UTM) 536145E 4444499N

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill 2/6/2012
APD Evaluator Date / Time

Surface Statement of Basis

This is to be a 2 well pad shared with the 5-9D-46 BTR (API #43-013-51109). The mineral ownership for this well is Indian and the surface ownership is fee. Surface owner Marilyn Lott was invited to attend this onsite inspection but was unable to attend. Ms. Lott stated no concerns with drilling at this site. The location sits on a bench and slopes to the north toward the Strawberry river. Approximately 500 ft to the north the bench drops off a sheer ledge to the river flodd plain. Due to these slopes and proximity of the river the need of a location berm was discussed and agreed to. Also, due to permeability of soil and rock which may require blasting a 20 mil liner with felt subliner was agreed to. Drainage diversions are to be constructed around both the east and west sides of the location.

Richard Powell 1/19/2012
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

RECEIVED: February 07, 2012

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/21/2011	API NO. ASSIGNED: 43013511400000

WELL NAME: 8H-9-46 BTR

OPERATOR: BILL BARRETT CORP (N2165) **PHONE NUMBER:** 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWNW 09 040S 060W Permit Tech Review:

> SURFACE: 1679 FNL 0511 FWL **Engineering Review:**

> BOTTOM: 1980 FNL 0810 FEL Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.15006 LONGITUDE: -110.57562 **UTM SURF EASTINGS: 536145.00 NORTHINGS: 4444499.00**

FIELD NAME: ALTAMONT LEASE TYPE: 2 - Indian

LEASE NUMBER: 20G0005608 PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING: ✓ PLAT R649-2-3. Bond: INDIAN - LPM8874725 Unit: **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 139-84 Water Permit: 43-180 Effective Date: 12/31/2008 **RDCC Review:** Siting: 660' Fr Drl U Bdry & 1320' Fr Other Wells Fee Surface Agreement

Intent to Commingle R649-3-11. Directional Drill

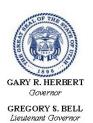
Commingling Approved

Comments: Presite Completed

4 - Federal Approval - dmason 5 - Statement of Basis - bhill Stipulations:

27 - Other - bhill

API Well No: 43013511400000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 8H-9-46 BTR **API Well Number:** 43013511400000

Lease Number: 2OG0005608 Surface Owner: FEE (PRIVATE)

Approval Date: 2/7/2012

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well contact Carol Daniels at 801-538-5284

API Well No: 43013511400000

(please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
 - Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

RECEIVEL

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

DEC 2 7 2011

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

5. Lease Serial No. 2OG0005608

APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tr	ibe Name	
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreemer	it, Name and No.	
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Of		8. Lease Name and Well N 8H-9-46 BTR	lo.	
2. Name of Operator Contact BILL BARRETT CORPORATION E-Mail: vlangm	VENESSA LANGMACHER acher@billbarrettcorp.com	9. API Well No. 43.013.511	40	
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	10. Field and Pool, or Expl ALTAMONT	oratory	
4. Location of Well (Report location clearly and in accord	ance with any State requirements.*)	11. Sec., T., R., M., or Blk	and Survey or Area	
At surface SWNW 1679FNL 511FWL	40.149989 N Lat, 110.575363 W Lon	Sec 9 T4S R6W Me	-	
At proposed prod. zone SENE 1980FNL 810FEL 4	0.149144 N Lat, 110.561531 W Lon			
 Distance in miles and direction from nearest town or post MILES WEST OF DUCHESNE, UT 	office*	12. County or Parish DUCHESNE	13. State UT	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated	to this well	
810' (BTM. HOLE)	66101.00	640.00		
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. or	20. BLM/BIA Bond No. on file	
2129'	9348 MD 5669 TVD	LPM8874725		
21. Elevations (Show whether DF, KB, RT, GL, etc. 5980 GL	22. Approximate date work will start 01/01/2013	23. Estimated duration 60 DAYS (D&C)		
	24. Attachments	······································	10. 10. 10. 10.	
The following, completed in accordance with the requirements of	f Onshore Oil and Gas Order No. 1, shall be attac	ched to this form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Off 	4. Bond to cover the Item 20 above). em Lands, the 5. Operator certification	operations unless covered by an existing		
25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 30	03-312-8172	Date 12/21/2011	
Title SENIOR PERMIT ANALYST				
Approved by (Signature)	Name (Printed/Typed)	l.a	Date	
by Kenyfa	Jerry Kencz	Ka	JUN 1 1 201	
Assistant Field Manager Lands & Mineral Resources	VERNAL FIELD O	FFICE		
Application approval does not warrant or certify the applicant ho perations thereon. Conditions of approval, if any, are attached.	lds legal or equitable title to those rights in the su	ibject lease which would entitle the ap	plicant to conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, r States any false, fictitious or fraudulent statements or representat	nake it a crime for any person knowingly and willions as to any matter within its jurisdiction.	Ifully to make to any department or ag	gency of the United	

Additional Operator Remarks (see next page)

Electronic Submission #126540 verified by the BLM Well Information System For BILL BARRETT CORPORATION, sent to the Vernal Committed to AFMSS for processing by ROBIN R. HANSEN on 01/05/2012 ()

RECEIVED

NOTICE OF APPROVAL

JUL 0 3 2012

CONDITIONS OF APPROVAL ATTACHED

* OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

12RRH189DAE

NO NOS



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE** 170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

API No:

Bill Barrett Corporation

8H-9-46 BTR

43-013-51140

Location:

SWNW, Sec.9.T4S R6W

Lease No:

2OG0005608

Agreement:

N/A

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm.ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 9 Well: 8H-9-46 BTR 6/11/2012

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- Any deviation of submitted APD's, which includes BBCs surface use plan, any ROW
 applications, and the surface access agreement the operator will notify the BLM in writing and
 will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Production facilities will be painted Beetle Green to help blend in with the surrounding habitat.
- Wood that will be removed will be piled up along well access road, and around well pad. This can be used by the land owners, or for reclamation purposes.
- The reserve pit will be lined with a 20 mil liner with felt to help prevent any leaks from occurring and affecting soils and vegetation in the surround area.
- All production equipment that contains fluids should have a berm around them to prevent leaks from affecting resources outside the pad area. This berm should be able to hold 110% of the largest capacity.
- Topsoil will be used for reclamation purposes only and should be separated from any other material and be identifiable onsite.
- The pit spoils pile will be moved from corners B & C to corners B & 4, pit topsoil will be moved from corners 6 & C to corners 3 & 4 and pad topsoil will be moved from corners 2 & 8 to corners 2 & 3 as agreed upon during the onsite investigation. Corner #8 of the proposed pad will also be rounded to the best extent possible to minimize fill.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM for possible seed mixes to use in the project area. If reclamation onsite is deemed inadequate a site specific reclamation plan will need to be developed. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

Page 3 of 9 Well: 8H-9-46 BTR 6/11/2012

Additional Stipulations for tribal portions of the proposed action:

- All construction of the road and pipeline must stay within the approved area within the ROW
 application and approval by the Ute Tribe.
- See Exhibit One of the approved EA U&O-FY12-Q2-071 for additional mitigation measures that
 must be followed for the proposed road and pipeline. There are also site specific COAs of
 concern towards the back of that document that must be adhered to.

General Conditions of Approval on Tribal Lands:

- A <u>30'</u> foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

Page 4 of 9 Well: 8H-9-46 BTR 6/11/2012

• Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Page 5 of 9 Well: 8H-9-46 BTR 6/11/2012

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Production casing (size casing 7 inch) cement shall be brought up and into the surface.
- A cement Bond Log (CBL) shall be run from the production casing (size casing 7 inch) shoe to the top of cement. A field copy of the CBL shall be submitted electronically (<u>BLM_UT_Vn_Welllogs@blm.gov</u>) to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of

Page 6 of 9 Well: 8H-9-46 BTR 6/11/2012

each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 7 of 9 Well: 8H-9-46 BTR 6/11/2012

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

Page 8 of 9 Well: 8H-9-46 BTR 6/11/2012

• Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in

Page 9 of 9 Well: 8H-9-46 BTR 6/11/2012

order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 33980 API Well Number: 43013511400000

			FORM 9				
	FORM 9						
	5.LEASE DESIGNATION AND SERIAL NUMBER: 2OG0005608						
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah						
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 8H-9-46 BTR				
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013511400000				
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1679 FNL 0511 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 09 Township: 04.0S Range: 06.0W Mer	idian: U	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
1/1/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	New construction				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION				
Date or Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	L TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
	COMPLETED OPERATIONS. Clearly show a		depths, volumes, etc.				
BBC reques	sts a one year extension for t	he subject APD.	Approved by the				
			Utah Division of Oil, Gas and Mining				
			Date: February 19, 2013				
			By: Basylll				
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMB 303 312-8172	ER TITLE Senior Permit Analyst					
SIGNATURE N/A		DATE 1/21/2013					

Sundry Number: 33980 API Well Number: 43013511400000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013511400000

API: 43013511400000 **Well Name:** 8H-9-46 BTR

Title: Senior Permit Analyst Representing: BILL BARRETT CORP

Location: 1679 FNL 0511 FWL QTR SWNW SEC 09 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 2/7/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

	-
	• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
	 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
	 Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well? Yes No
	 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
	• Has the approved source of water for drilling changed? Yes No
	• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
	• Is bonding still in place, which covers this proposed well? 📵 Yes 🔘 No
Sig	gnature: Venessa Langmacher Date: 1/21/2013

RECEIVED: Jan. 21, 2013

Sundry Number: 46756 API Well Number: 43013511400000

	STATE OF UTAH			FOR	М 9	
I				5.LEASE DESIGNATION AND SERIAL NUMB 2OG0005608	ER:	
SUNDR	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING SUNDRY NOTICES AND REPORTS ON WELLS OUT use this form for proposals to drill new wells, significantly deepen existing wells below and bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION PERMIT TO DRILL form for such proposals. PEO OF WELL Well 8. WELL NAME and NUMBER: 8H-9-46 BTR 8H-9-					
current bottom-hole depth, i	reenter plugged wells, or to drill horiz			7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well				I .		
2. NAME OF OPERATOR: BILL BARRETT CORP				1.		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202			I .		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1679 FNL 0511 FWL				I .		
		1eridian:	: U	I .		
11. CHECI	K APPROPRIATE BOXES TO INDIC.	ATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION			
	ACIDIZE		LTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	□ c	HANGE TUBING	CHANGE WELL NAME		
2/7/2015	CHANGE WELL STATUS	□ c	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	☐ F	RACTURE TREAT	NEW CONSTRUCTION		
	OPERATOR CHANGE	Пр	LUG AND ARANDON	PI LIG BACK	JMBER:	
SPUD REPORT						
Date of Spuu.						
DRILLING REPORT Report Date:	WATER SHUTOFF	∟ s	I TA STATUS EXTENSION	✓ APD EXTENSION		
	WILDCAT WELL DETERMINATION	□ 0	THER	OTHER:		
O NOT USE THIS FORM TO PROPOSALS TO MY NET ON THE TOTAL OF THE TOTAL O						
BBC req	uest a one year extension f	or sul	oject APD			
				Date: January 09, 2014		
				By: boogstill		
NAME (PLEASE PRINT)	PHONE NUM	/REP	TITLE		_	
Christina Hirtler	303 312-8597	DEN	Administrative Assistant			
SIGNATURE N/A			DATE 1/9/2014			

Sundry Number: 46756 API Well Number: 43013511400000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013511400000

API: 43013511400000 Well Name: 8H-9-46 BTR

Location: 1679 FNL 0511 FWL QTR SWNW SEC 09 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 2/7/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Yes No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
nature: Christina Hirtler Date: 1/9/2014

Signature: Christina Hirtler

Title: Permit Analyst Representing: BILL BARRETT CORP

Form 3160-5 (August 2007)

HECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 03 2014

FORM APPROVED OMB NO. 1004-0135 Everines: July 31, 2010

ZU14	EXPIRES. JULY 31, 2010							
LUIT	5. Lease Serial No. 20G0005608							
_								

	OTICES AND REPORTS ON WELLS	
Do not use this	form for proposals to drill or to re-enter a Use form 3180-3 (APD) for such proposal	ı
abandoned well.	Use form 3160-3 (APD) for such proposal []	ı

Do not use the abandoned we	is form for proposals to II. Use form 3160-3 (API	drill or to re-enter a D) for such proposa D	LM	6. If Indian, Allottee o	r Tribe Name
SUBMIT IN TRI	PLICATE - Other Instruc	tions on reverse side.		7. If Unit or CA/Agree	ement, Name and/or No.
l. Type of Well Oil Well Gas Well Ott	пет			8. Well Name and No. 8H-9-46 BTR	
Name of Operator BILL BARRETT CORP.	Contact: E-Mail: chirtler@bil	CHRISTINA R HIRTLER Ibarrettcorp.com		9. API Well No. 43-013-51140	
	300	3b. Phone No. (include area of Ph. 303-312-8597	code)	10. Field and Pool, or WILDCAT	Exploratory
	., R., M., or Survey Description,			11. County or Parish,	and State
				DUCHESNE CO	DUNTY, UT
Section Gas Well					
TYPE OF SUBMISSION		TYPI	E OF ACTION		
Notice of Intent	☐ Acidize	□ Deepen	☐ Production	n (Start/Resume)	☐ Water Shut-Off
	Alter Casing	☐ Fracture Treat	☐ Reclamat	ion	☐ Well Integrity
☐ Subsequent Report	Casing Repair	☐ New Construction	Recomple	ete	Other Other
Final Abandonment Notice	☐ Change Plans	—	Tempora	ily Abandon	
	Convert to Injection	☐ Plug Back	☐ Water Di	sposal	
testing has been completed. Final Al determined that the site is ready for f BBC IS SUBMITTING THIS S	pandonment Notices shall be file inal inspection.)	nd only after all requirements, in TWO YEAR EXTENSION RECT	ocluding reclamation, N FROM THE DA	TE THE EXISTING	APD OFFICE
		00	GAS & MIN	NG <u>~V</u> NG	1
		DIV. OF	OIL, Oil	3EUL	ì
				i.s	
				ET	
14. I hereby certify that the foregoing is	Electronic Submission #2	248093 verified by the BLM BARRETT CORP., sent to to processing by JOHNETTA	Well Information : the Vernal MAGEE on 06/10/	Svetem FCI	
Name (Printed/Typed) CHRISTIN				<u>.</u>	
Signature (Electronic S					
	THIS SPACE FO	IK PEDERAL OR STA	TE OFFICE US	E	
Approved By		Title La	Neclatant Field M nde & Mineral R		OCT 0 3 2014
Conditions of appear of it and, are stached certify that the applicant heids legal or equivalent would entitle the applicant to conduct the applicant the applicant to conduct the applicant the applicant to conduct the applicant to conduct the applicant t	 Approval of this notice does attable title to those rights in the bit operations thereon. 	not warrant or subject lease Office	VERNAL	FIELD OFFICE	E .

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL

Bill Barrett Corporation

Notice of Intent APD Extension

Lease:

2OG0005608

Well:

8H-9-46 BTR

Location:

SWNW Sec 9 T4S-R6W

An extension for the referenced APD is granted with the following conditions:

- 1. The APD extension shall expire on 6/11/16
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Michael Riches of this office at (435) 781-4438

Sundry Number: 58296 API Well Number: 43013511400000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC		5.LEASE DESIGNATION AND SERIAL NUMBER:
	DIVISION OF OIL, GAS, AND MIN	IING	2OG0005608
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 8H-9-46 BTR
2. NAME OF OPERATOR:			9. API NUMBER:
BILL BARRETT CORP			43013511400000
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	9. FIELD and POOL or WILDCAT:
1099 18th Street Ste 2300	, Denver, CO, 80202 3	303 312-8134 Ext	ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1679 FNL 0511 FWL			DUCHESNE
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWNW Section:	HIP, RANGE, MERIDIAN: 09 Township: 04.0S Range: 06.0W Mer	idian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
2/7/2015	_	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
	CHANGE WELL STATUS		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	all nertinent details including dates	denths volumes etc
I .	this sundry to request a one		Approved by the Unebenhoiston3o12014 Oil, Gas and Mining
			Date:
			By: Dangelle
NAME (PLEASE PRINT)	PHONE NUMBI	ER TITLE	
Christina Hirtler	303 312-8597	Administrative Assistant	
SIGNATURE N/A		DATE 12/1/2014	

Sundry Number: 58296 API Well Number: 43013511400000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013511400000

API: 43013511400000 **Well Name:** 8H-9-46 BTR

Location: 1679 FNL 0511 FWL QTR SWNW SEC 09 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 2/7/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well? Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Yes No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
natura. Christina Hirtler Data: 12/1/2014

Signature: Christina Hirtler Date: 12/1/2014

Title: Administrative Assistant Representing: BILL BARRETT CORP

Sundry Number: 68723 API Well Number: 43013511400000

			FORM 9
	STATE OF UTAH	· · ·	
			5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDR	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	reenter plugged wells, or to drill horizon		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 8H-9-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013511400000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300			9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1679 FNL 0511 FWL			COUNTY: DUCHESNE
		lian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE [ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
2/7/2016	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING NDRY NOTICES AND REPORTS ON WELLS or proposals to drill new wells, significantly deepen existing wells below spth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION Lorm for such proposals. PHONE NUMBER: 2300, Denver, CO, 80202 BE: LUNNSHIP, RANGE, MERIDIAN: CITICION TYPE OF ACTION CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT TYPE OF ACTION TYPE OF ACTION ACIDIZE ALTER CASING MIT: CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE TUBING CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE TUBING PRODUCTION START OR RESUME PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION SIDETRACK TO REPAR WELL TUBING REPAR WATER SHUTOFF WILDCAT WELL DETERMINATION OTHER ED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, de request a one year extension for APD to 02/07/2017. PHONE NUMBER TITLE Permit Analyst DATE		NEW CONSTRUCTION
Date of Work Completion:		¬	PLUG BACK
	l — ,		RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	<u>_</u>		
Date of Spau.	_{[-}		☐ TEMPORARY ABANDON
	<u>_</u>		WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
			Approved by the UlamuBiyiOfo,r20fl 6 Oil, Gas and Mining Date: By:
NAME (PLEASE PRINT) Brady Riley			
SIGNATURE	•	DATE	
N/A		1/4/2016	

Sundry Number: 68723 API Well Number: 43013511400000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013511400000

API: 43013511400000 **Well Name:** 8H-9-46 BTR

Title: Permit Analyst Representing: BILL BARRETT CORP

Location: 1679 FNL 0511 FWL QTR SWNW SEC 09 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 2/7/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

Tollowing is a checklist of some items related to the application, which should be verified.
 If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? 🔘 Yes 📵 No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? 🧓 Yes 🔵 No
Signature: Brady Riley Date: 1/4/2016

RECEIVED: Jan. 04, 2016

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation	Rig II, LLC
1099 18th Street, Suite 2300	1582 West 2600 South
Denver, CO 80202	Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

10/21/2016

2. Sundry or legal documentation was received from the NEW operator on:

10/21/2016

3. New operator Division of Corporations Business Number:

8256968-0160

REVIEW:

1. Surface Agreement Sundry from NEW operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

10/21/2016

3. Reports current for Production/Disposition & Sundries:

11/2/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

11/3/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

11/3/2016

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UTB000712

2. Indian well(s) covered by Bond Number:

LPM 922467

3.State/fee well(s) covered by Bond Number(s):

9219529

DATA ENTRY:

1. Well(s) update in the OGIS on:

11/7/2016

2. Entity Number(s) updated in OGIS on:

11/7/2016

3. Unit(s) operator number update in OGIS on:

N/A

4. Surface Facilities update in OGIS on:

N/A

5. State/Fee well(s) attached to bond(s) in RBDMS on:

11/7/2016

6. Surface Facilities update in RBDMS on:

N/A

COMMENTS:

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Туре	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	Α
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	Α
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	Α
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	ow	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	ow	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	ow	APD
14-16D-45 BTR	16	040S	050W	4301351178	İ	Indian	Indian	ow	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	ow	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257	-	Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420	1	Indian	Fee	ow	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426	<u> </u>	Indian	Indian	ow	APD
16-13D-45 BTR	13	040\$	050W	4301351428		Indian	Indian	OW	APD

14-12D-45 BTR	12	040S	050W	4301351444	Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445	Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446	Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450	Indian	State	OW	APD
LC TRIBAL 10-20D-40	34	0408	060W	4301351451				
16-12D-45 BTR	12	040S	050W	4301351451	Indian Indian	State Indian	OW	APD
8-12D-45 BTR	12	040S	050VV	4301351452			OW	APD
LC TRIBAL 1-35D-46	35	040S	060W		Indian	Indian	OW	APD
16-25D-37 BTR		0405	070W	4301351454	Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	25			4301351455	Indian	Fee	OW	APD
	28	0408	060W	4301351462	Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	0308	070W	4301351494	Indian	Fee	OW	APD
7-13D-45 BTR	13	0408	050W	4301351497	Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	0408	060W	4301351515	Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040\$	060W	4301351543	Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598	Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030\$	070W	4301351610	Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613	Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616	Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617	Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619	Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620	Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624	Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625	Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627	Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628	Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629	Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639	Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640	Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641	Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	W080	4301351643	Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644	Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	W080	4301351645	Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646	Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654	Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656	Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657	Indian	Fee	ow	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658	Indian	Fee	ow	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659	Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	0408	050W	4301351661	Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040\$	060W	4301351663	Indian	Fee	OW	APD
3-29D-36 BTR	29	0308	060W	4301351665	Indian	Fee	OW	APD

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
_C Tribal 5-24D-46	24	0408	060W	4301351668	Indian	Indian	ow	APD
_C TRIBAL 6-12D-58	12	0508	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
.C TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	0308	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	0308	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	0308	050W	4301351806	Indian	Fee	ow	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	0308	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	0308	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
_C Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
_C Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	0308	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	0308	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	0308	060W	4301351872	Indian	Fee	ow	APD
3-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
_C Tribal 5-36D-46	36	0408	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	0408	050W	4301352001	Indian	Indian	OW	APD
_C Tribal 8-22D-45	22	0408	050W	4301352002	Indian	Indian	OW	APD
_C Tribal 8-25D-45	25	0408	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	0308	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	ow	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	0408	070W	4301352055	Indian	Indian	ow	APD
C Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	ow =	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	0408	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	0308	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	0308	070W	4301352116	Indian	Fee	OW	APD

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
'-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
C Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
.C Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
.C Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
.C Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
.C Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
5-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
3-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
3TR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
I-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	ow	APD
-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
C TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	ow	APD
C Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
.C Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
C Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
C Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
C Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
C Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
C Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
C Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
C Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
C Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
.C Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
.C Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
.C Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
.C Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
.C Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
C Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
.C Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
C Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
C Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
C Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	ow	APD
C Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
C Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
C Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
.C Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
.C Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
.C Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

	15.	1							
_C Tribal 7-24D-46	24	0408	060W	4301353134		Indian	Indian	OW	APD
.C Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
C Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
.C FEE 14-26D-47	26	040S	070W	4301353294	1	Fee	Indian	OW	APD
C Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
.C Fee 1H-33-47	32	040S	070 W	4301353309		Fee	Indian	ow	APD
_C FEE 14-2D-58	2	050S	W080	4301353312		Fee	Indian	OW	APD
C FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
C Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
6-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
C Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
.C Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
.C Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
.C Fee 5-35D-47	35	040S	070W	4301353334	:	Fee	Indian	OW	APD
3-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
4-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
'-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
.C TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
'-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
C TRIBAL 12H-28-46	28	0408	060W	4301333631	18132	Indian	Indian	GW	P
.C TRIBAL 13H-21-46	21	0408	060W	4301333632	18107	Indian	Indian	GW	 P
2-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
i-5-46 BTR	5	0408	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	0308	060W	4301333642	16675	Indian	Fee	GW	P
4-29-36 BTR	29	0308	060W	4301333643	16725	Indian	Fee	ow	P
4-30-36 BTR	30	0308	060W	4301333644	16701	Indian	Fee	GW	<u>'</u>
'-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	'P
.C TRIBAL 5-21D-46	21	0408	060W	4301333658	18887	Indian	Indian	OW	P
-20-46 DLB	20	0408	060W	4301333659	18750	Indian	Indian	GW	P
.C TRIBAL 13H-20-46	20	0408	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	0408	060W	4301333806	16890	Indian	Indian	GW	P
	1.	0.00	100011	TOO OOOOOO	10000	HIMIAII	HIGHAIL	UVV	1 1-1

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	Р
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	ow	P
5-29-36 BTR	29	0308	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	Р
5-25-36 BTR	25	0308	060W	4301334021	17126	Fee	Fee	OW	Р
5-4-45 BTR	4	0408	050W	4301334089	17507	Indian	Indian	oW	Р
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	ow	Р
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	Р
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	Р
1-9-45 BTR	9	0408	050W	4301334101	17910	Indian	Indian	OW	Р
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	ow	Р
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	Р
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	Р
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	ow	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	ow	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	Р
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	ow	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	Р
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	ow	Р
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	ow	Р
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	ow	Р
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	ow	Р
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	Р
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	Р
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	Р
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	Р
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	Р
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	Р
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	Р
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	Р
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	Р
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	Р
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	Р
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	Р
7-26-37 BTR	26	030\$	070W	4301350641	18131	Indian	Fee	OW	Р
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	Р
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	ow	Р
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	ow	Р

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	Р
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	Р
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	Р
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	Р
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	Р
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	Р
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	ow	Р
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	ow	Р
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	Р
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	Р
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	Р
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	Р
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	Р
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	Р
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	ow	Р
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	Р
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	ow	Р
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	Р
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	ow	Р
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	ow	Р
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	Р
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	Р
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	Р
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	Р
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	Р
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	Р
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	Р
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	Р
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	Р
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	Р
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	Р
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	0408	050W	4301351278	18627	Indian	Indian	OW	Р
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	Р
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	Р

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	Р
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	ow	Р
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	ow	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	ow	Р
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	ow	Р
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	ow	Р
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	Р
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	ow	Р
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	ow	Р
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	Р
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	Р
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	ow	Р
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	Р
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	ow	Р
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	Р
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	ow	Р
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	Р
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	ow	Р
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	ow	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	ow	Р
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	ow	Р
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	ow	Р
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	ow	Р
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	0308	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030\$	060W	4301334133	17834	Indian	Fee	OW	s
1-30-36 BTR	30	0308	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	0308	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	0308	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	0308	060W	4301334138	17666	Indian	Fee	OW	S

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040\$	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	0308	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D - 36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

RECEIVED

OCT 21 2016

Re: Bill Barrett Corporation Transfer to New Operator

DIV. OF OIL, GAS & MINING

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD formchanging the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 Telephone:(801) 683-4245 Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley Permit Analyst

STATE OF UTAH FORM 9 **DEPARTMENT OF NATURAL RESOURCES** 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING (see attached well list) 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7, UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL 8. WELL NAME and NUMBER OIL WELL 🔽 GAS WELL (see attached well list) 2. NAME OF OPERATOR: 9. API NUMBER RIG II, LLC 3. ADDRESS OF OPERATOR PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 1582 West 2600 South (801) 683-4245 STATE UT ZIP 84087 Wood Cross 4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start; CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON 11/1/2016 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSÁL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE **RECOMPLETE - DIFFERENT FORMATION** 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO-Rig II, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW. RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 801-683-4245 (STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670) BILL BARRETT CORPORATION NOILS RIG II, LLC MAME (PLEASE PRINT) _ NAME (PLEASE PRINT) SIGNATURE SIGNATURE EH&S, Government and Regulatory Affairs Jesse McSwain Manager NAME (PLEASE PRINT) 1012016

APPROVED

NOV 0 7 2016

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

	(This form should ac	ccompany a Sundr	y Notice, Form 9, reque	esting APD transfer)		
Well	name:	(See attached li	st)			
API ı	number:					
Loca	ation:	Qtr-Qtr:	Section:	Township: Range:		
Com	pany that filed original application:	Bill Barrett Corp	oration			
Date	original permit was issued:					
Com	pany that permit was issued to:	Bill Barrett Cor	poration			
Check one		Des	ired Action:			
	Transfer pending (unapproved) App					
	The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a	or Permit to Dril	l, remains valid ar	nd does not require revision. The	new	
✓	Transfer approved Application for F	ermit to Drill t	o new operator			
	The undersigned as owner with legal r information as submitted in the previous revision.				re	
Folio	owing is a checklist of some items rel	ated to the ap	plication, which s	should be verified.	Yes	No
If loc	ated on private land, has the ownership	changed?			✓	
	if so, has the surface agreement been	updated?				✓
	e any wells been drilled in the vicinity of irements for this location?	the proposed w	rell which would af	fect the spacing or siting		✓
	e there been any unit or other agreemen osed well?	ts put in place t	hat could affect th	e permitting or operation of this		✓
	there been any changes to the access osed location?	route including	ownership or righ	t-of-way, which could affect the		✓
Has t	the approved source of water for drilling	changed?				✓
	e there been any physical changes to the s from what was discussed at the onsite		on or access route	which will require a change in		✓
Is bo	nding still in place, which covers this pro	posed well? B	ond No. 9219529-UDOGM/U	JTB000712-BLM / LPM9224670-BIA	1	
shou nece	desired or necessary changes to either a ld be filed on a Sundry Notice, Form 9, o ssary supporting information as required	or amended Ap	plication for Permi			red,
	e (please print) Jesse McSwain		Title Manager	2110		
_	esenting (company name) RIG II, LLC		Date 10 0	<u> 114 </u>		
rtepi	cooming (company name)			· · · · · · · · · · · · · · · · · · ·		

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT								
Well Name and Number 6-32-36 BTR SWD		4			API Number 4301350921			
Location of Well				DUQUENOE	Field or Unit Name CEDAR RIM			
Footage: 1628 FNL 1553 FWL QQ, Section, Township, Range: SENW	32	3S	6W	County : DUCHENSE State : UTAH	Lease Designation and Number 2OG0005608			

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OP	PERATOR	
Company:	BILL BARRETT CORPORATION	Name: Duane Zavadil
Address:	1099 18th Street Ste 2300	Signature: 2nCd
	city DENVER state CO zip 80202	Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone:	(303) 293-9100	Date: 10 20 16
Comments	· · · · · · · · · · · · · · · · · · ·	

Address: 1582 West 2600 South Signature: Signature: Manager	Company: RIG II, LLC Name: Jesse McSwain	
10/2 . 111	1593 West 2000 Courts	R:
(004) 002 4045	city Wood Cross state UT zip 84087 Title: Manager	
Phone: (801) 683-4245 Date: 10 LC 10	Phone: (801) 683-4245 Date: 10 20 10	

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Transfer approved by:

Approval Date: ///3//L

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

	TRANSFER OF AL	JTHORITY TO INJECT	Γ
Well Name and 16-6D-46 BT			API Number 4301350781
ocation of Well		:	Field or Unit Name
Footage: 0200 FSL 0099 FEL		County : DUCHESNE	ALTAMONT Lease Designation and Number
QQ, Section,	Township, Range: SESE 6 4S 6W	State: UTAH	20G0005608
	11/1/2016		
EFFECTIVE L	DATE OF TRANSFER: 11/1/2016		
CURRENT OP	PERATOR		
Company:	BILL BARRETT CORPORATION	Name: Duane	e Zavadil
Address:	1099 18th Street Ste 2300	Signature:	m Zinal
	city DENVER state CO zip 80202	SeniorV	ice President - Government and Regulatory Affairs
Phone:	(303) 293-9100	Date:	20/16
Comments:			
oommonto.	•		
NEW OPERAT			
VEW OF LINA	iok		
Company:	RIG II, LLC	Name: Jesse	McSwain ⁽
Address:	1582 West 2600 South	Signature:	Leve MG:
, , , , , , , , , , , , , , , , , , , ,	city Wood Cross state UT zip 84087	Title: Mana	
Phone:	(801) 683-4245	Date:	120/16
Comments:	:		
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Transfer ap	oproved by:	Approval Date:	11/3/16
	Title: VIC		•

Comments:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF	AUTHORITY TO INJECT
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well	Field or Unit Name
Footage: 0539 FSL 0704 FEL	County : DUCHESNE CEDAR RIM Lease Designation and Number
QQ, Section, Township, Range: SESE 9 3S 6W	State: UTAH 2OG0005608
EFFECTIVE DATE OF TRANSFER: 11/1/2016	
CURRENT OPERATOR	
Company: BILL BARRETT CORPORATION	Name: Duane Zavadil
Address: 1099 18th Street Ste 2300	Signature: James Zawaki
city DENVER state CO zip 80202	Signature: Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone: (303) 293-9100	Date: 10/7.0/14
Comments:	
NEW OPERATOR	
Company: RIG II, LLC	Name: Jesse McSwain
Address: 1582 West 2600 South	Signature: See WG-
city Wood Cross state UT zip 84087	Title: Manager
Phone: (801) 683-4245	Date: 1076110
Comments:	'
(This space for State use only)	
Transfer approved by:	Approval Date:
Title:	
Comments: This well curs ag	eprived by USERA.
COMMITTEE OF THE PROPERTY OF T	will be required.